

J. M. WATERSTON

"The Home of Good Tools"



TOOLS

For the

**PLASTERER
BRICKLAYER
PLUMBER
LATHER**

**CEMENTWORKER
STONECUTTER
MARBLEWORKER
TILESETTER**

PAPERHANGER

Catalogue No. 52

427 Woodward Ave.

DETROIT

MICHIGAN

"The Home of Good Tools," a name applied to us by our customers and which we finally adopted, stands back of every article purchased from us.

Our business is "Tools," in which we specialize.

We manufacture all the special items for the different trades and import our small tools from Sheffield.

Maximum quality and minimum prices is always our aim.

We guarantee to give satisfaction, and if any tool purchased from us does not come up to your expectations in every respect, return it and we will refund your money or make exchange, as you desire.

Our Guarantee

We will refund your money or make exchange on any tools found unsatisfactory if returned within ten days after receipt of shipment.

Any tools found defective will be replaced at any time.

Shipping Instructions

On the last two pages and the inside of the back cover you will find full instructions and rates for shipping.

Use the Parcel Post Rate Scale in determining the amount to remit for delivery charges.

Weight of all articles is given in the description. These weights are approximate. Where no rate is given, article is delivered.

Important

WE MAKE NO C. O. D. SHIPMENTS. Remittance must accompany all orders.

For the Benefit of Your Friends

If you have a friend who is a Plasterer, Bricklayer, Tiler, or Cementworker who you think would be interested in our catalogue, we will be pleased to have you send us his name and address, and we will forward him a catalogue.

We, also, issue a catalogue on Machinists' Tools, Carpenters' Tools, Pattern Supplies, and Radio, and one on Trimmers' Tools.

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Telephone Main 6737-6738

ALL STEEL PLASTERERS' TOOL CASES

The up-to-date plasterers are using our tool cases because they are easy to keep clean and are not objectionable on the street cars or where there is any chance of brushing against other parties.

The finish of these cases are three coats of brown enamel, which makes them waterproof. They have brass fittings with multiple change locks, having two flat keys. Made of 26 gage steel.



Number	Dimensions	Weight, lbs.	Each
420	20x7x14"	8½	\$4.50
424	24x8x14"	10½	4.75

PLASTERERS' TOOL CASE



This tool case is very strong, being made of $\frac{7}{8}$ inch white pine, covered on the outside with bright finish zinc, which is guaranteed not to rust. Edges are reinforced with black enameled angle iron; brass corners. It has a black cowhide reinforced handle and trunk lock.

Length, 24 inches; height, 15 inches; width, 7 inches; just the right size to hold all your tools conveniently. Weight, 14 lbs.

Number 106.	Each	\$6.50
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ALL STEEL TOOL CASES

These boxes are finished with three coats waterproof brown enamel, have brass fittings, two keys and multiple locks and leather-covered steel cored handles.

Made of 26 gage steel electrically welded. They are square and have a removable tray divided into small compartments.



Number	Dimensions	Weight lbs.	Each
319	19x8x9"	7 $\frac{3}{4}$	\$4.25
321	21x8x9"	8	4.50
324	24 $\frac{1}{2}$ x6x9"	9	4.75

LATHERS' TOOL CASES



The finest metal covered cases. The tray raises and lowers automatically with the top, which is handy while working on scaffolds to get at the tools below.

The case is made of $\frac{1}{8}$ inch white pine with corners lock joint, covered with best grade of zinc. Lock and corners are brass plated and well riveted on.

Number	Dimensions		Weight, lbs.	Each
	Inside	Tray		
216	15 $\frac{1}{4}$ x7 $\frac{1}{4}$ x8"	14x4x1 $\frac{1}{2}$ "	8	\$4.50
219	18 $\frac{1}{4}$ x7 $\frac{1}{4}$ x8"	17x4x1 $\frac{1}{2}$ "	9	4.75
222	21 $\frac{1}{4}$ x7 $\frac{1}{4}$ x8"	20x4x1 $\frac{1}{2}$ "	10	5.00

CANVAS TOOL BAGS



No. 20 Plain

Made of 24 ounce white duck with inside pocket. Bottom is double strength. Has two leather straps and lock with one key.

Length, ins.	14	16	18	20	22	24
Depth, ins.	13½	13½	15½	15½	15½	15½
Weight, lbs.	3¼	3½	3¾	4	4¼	4½
Each	\$3.25	\$3.40	\$3.60	\$3.75	\$3.95	\$4.15

No. 21—Leather Bottom Bags

Same as No. 20 but with leather bottom, also leather reinforcement, 3½ inches wide around the bottom.



Length, ins.	16	18	20
Depth, ins.	15	15	15
Weight, lbs.	4¼	4½	5
Each	\$5.25	\$5.65	\$6.00

PLASTERERS' TROWELS

The finishing trowels are one gage lighter than the browning trowels which are used for first coat work. We will ship finishing trowels unless otherwise specified.

The widths given are the standard sizes. We can supply any width you want. Please specify width wanted on your order.

Our Highest Grade No. 3

Being made of the highest grade of silver saw steel, perfectly finished, these trowels have no superior. They are well balanced and designed to meet the demands of the most particular workman.



Mounting is attached to the blade with 10 rivets.

Length, ins.	10½	11	11½
Width, ins.	4½	4¾	4¾
Weight, ozs.	16	16	16
Each	\$2.25	\$2.25	\$2.25

Our Dromedary Style No. 33

Without a doubt the trowel that gives the most satisfaction. The handle is curved to fit the hand, giving more clearance. You will grip this trowel with genuine comfort. Mounting is attached to blade with 10 rivets.



Length, ins.	10½	11	11½
Width, ins.	4½	4¾	4¾
Weight, ozs.	18	18	18
Each	\$2.50	\$2.50	\$2.50

Waterston's Special No. 16

The standard width on the larger size cement trowels is 4¾ ins., but we can supply them any width desired. Mounting is attached to blade with 7 rivets.



Length, ins.	10½	11	11½	12	13	14	16
Width, ins.	4½	4¾	4¾	5	5½	6	6
Weight, ozs.	16	16	16	16	16	17	18
Each	\$1.35	\$1.35	\$1.65	\$1.75	\$2.25	\$2.75	\$3.00

PLASTERERS' TROWELS



Atkins No. 4

Mounting attached to blade with 10 rivets.

Length ins.	Width ins.	Weight ozs.	Each
10½	4½	16	\$2.15
11	4¾	16	2.20
11½	4¾	16	2.25
12	5	16	2.45
13	5½	16	2.95
14	6	17	3.25
16	6	18	3.45

Marshalltown No. 1

Mounting attached to blade with 10 rivets.

Length ins.	Width ins.	Weight ozs.	Each
10½	4½	16	\$2.25
11	4¾	16	2.25
11½	4¾	16	2.25
12	5	16	2.25



Disston No. 23

Mounting attached to blade with 10 rivets.

Lgth. ins.	Width ins.	Wt. ozs.	Each
10½	4½	16	\$2.15
11	4¾	16	2.25
11½	4¾	16	2.35
12	5	16	2.45

Waterston Margin Trowels
No. 52

Length	Width	Weight	Each
5 ins.	1½ in.	5 oz.	\$0.65
5 ins.	2 in.	5 oz.	.65

Gauging Trowels
No. 118

Made of finest grade steel. Extra high lift, being 2 ins.

Length, ins.	7	8	9	10
Weight, ozs.	10	10	10	10
Each	\$1.40	\$1.50	\$1.60	\$1.70

POINTING TROWELS
Extra High Grade No. 50



Length, ins.	4	4½	5	5½	6	7
Weight, ozs.	4	4	5	5	6	6
Each	\$0.65	\$0.65	\$0.65	\$0.70	\$0.70	\$0.75

Number 45



Length, ins.	4	4½	5	5½	6	7
Weight, ozs.	4	4	5	5	6	6
Each	\$0.40	\$0.40	\$0.40	\$0.45	\$0.45	\$0.50

CROSS JOINT TROWELS
Number 48



Length, ins.	3½	4
Weight, ozs.	4	4
Each	\$0.65	\$0.65

TILESETTERS' TROWEL
Number 35

7½ ins. long, 4½ ins. wide at heel. Weight 8 ozs.
Each \$1.50

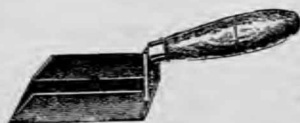


TWITCHERS OR ANGLE TROWEL

Number 39

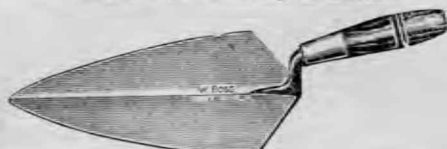
4¼ inches long; 2¼ in. wide.
Weight 8 ozs.

Each \$1.75



BRICKLAYERS' TROWELS

These trowels are of the well-known Rose make. They are furnished with hardwood handles. With leather handles add 25c.

Number 110—Philadelphia Pattern

Length, ins.	9	9½	10	10½	11	11½	12	12½	13
Weight, ozs.	16	16	16	16	18	18	18	20	20
Each	\$1.65	\$1.70	\$1.75	\$1.80	\$1.85	\$1.90	\$1.95	\$2.00	\$2.10

Number 221—With Wide Heel—6" Wide

Length, ins.	10	10½	11	11½	12
Weight, ozs.	18	18	20	20	20
Each	\$1.80	\$1.85	\$1.90	\$1.95	\$2.00

(Number 111 With Wide Heel cut far back, same prices as Number 221)

Number 112—London Pattern

Length, ins.	10x5½	10½x5½	11x5½	11½x5½	12x5½
Weight, ozs.	16	16	18	18	18
Each	\$1.75	\$1.80	\$1.85	\$1.90	\$1.95

Number 113—5¼" Wide

Length, ins.	10	10½	11	11½	12
Weight, ozs.	16	16	16	18	18
Each	\$1.75	\$1.80	\$1.85	\$1.90	\$1.95

Extra Handles for Brick Trowels

Hardwood Handles	\$0.25
Leather Covered Handles	.50

(Weight 5 ozs.)

PLASTERERS' ORNAMENTAL TOOLS

Genuine Tyzack's Tools Imported from England



Number 25—Leaf and Square



Number 26—Double Leaf



Number 27—Double Square



Number 28—Leaf and Bead



Number 29—Square and Bead

Size, ins.	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Weight, ozs.	1	1	1	1	1	1	1
Each	\$0.80	\$0.80	\$0.85	\$0.90	\$0.95	\$1.05	\$1.15

GAGE TOOL



Number 31

Size, ins.	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{3}{4}$ & 1
Weight, ozs.	2	2	2	2
Each	\$0.85	\$0.90	\$1.00	\$1.20

PLASTERERS' ORNAMENTAL TOOLS



Number 32—Trowel and Square



Number 33—Leaf and Trowel



Number 34—Trowel and Bead

Size, ins.	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Weight, ozs.	2	2	2	2	2	2	2	2	2
Each	\$0.90	\$0.90	\$0.95	\$1.00	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50

SCRATCH TOOLS



Number 35



Number 41



Number 44

Size, ins.	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Weight, ozs.	2	2	2
Each	\$0.90	\$1.00	\$1.10



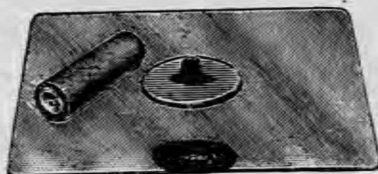
Number 45

Weight 2 ounces

Each	\$1.45
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PLASTERERS' ALUMINUM HAWKS

Our hawks are made of 12 gage tempered, hard rolled aluminum. Have 3½ inch diameter flange with ¾ inch hub. 5 inch handle which is detachable. Can be supplied with corners rounded off to 1½ in. radius.



They are fitted with callous preventer which fits over the flange.

Number	Size, ins.	Weight, lbs.	Each
50	13x13	2¼	\$2.45
51	13½x13½	2½	2.50

TILESETTERS' ALUMINUM HAWK

This hawk is constructed just the same as the No. 50 and is adapted to the use of the tilesetter or tuck-pointer because of its size, the large hawks being very inconvenient when working scaffolds. Weight 1¼ lb. Size 9x9 ins.

Number 53, each \$2.25

WOOD HAWK



Made of a clear seasoned pine, dovetailed to prevent warping. Handle

is detachable. Weight 2 lbs. Size 13x13 ins.
Number 22. Each \$1.25

CALLOUS PREVENTER

Made of ¼ inch sponge rubber, which is soft and easy on the hand.

Fits on all hawks and eases up the heavy load, relieving the pressure, preventing callouses. Diameter 3¾". Weight 1 oz.

Number 23. Each \$0.25



PLASTERERS' DARBIES

Aluminum



Made of 8 gage tempered hard rolled aluminum with 18 inch wood rib and $3\frac{1}{2}$ inch wood handle. Weight $2\frac{1}{4}$ lbs.
No. 2, $3\frac{1}{2}$ x44". Each \$3.00

Wood

Has 18 inch rib and $3\frac{1}{2}$ inch handle; is made of clear seasoned wood, $\frac{3}{4}$ inch thick.

No.	Size	Weight	Each
3	$3\frac{1}{2}$ x36 in.	2 lbs.	\$0.85
4	$3\frac{1}{2}$ x44 in.	$2\frac{1}{4}$ lbs.	1.00

ALUMINUM FLOAT

Made of tempered aluminum, which makes a light float, but with good wearing quality. Size $4\frac{1}{2}$ x11 ins. Weight $\frac{1}{2}$ lb.

No. 104. Each \$1.25

**REINFORCED CORK FLOAT**

Made of best quality cork, attached to a piece of seasoned pine. The most complete perfect float for the workman who takes

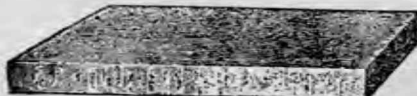
pride in his work. Size 5x12 ins. Weight $1\frac{1}{4}$ lbs.

Number 102.	With Handle	\$1.10
Number 102.	Without Handle	.85

CORK FLOATS

Made of finest selected cork, smoothed and squared on both sides. It may be ordered with or without handles.

No.	Size in.	Weight oz.	With Handle	Weight oz.	Without Handle
20	12x5x1	16	\$0.90	10	\$0.65
30	12x5x1 $\frac{1}{4}$	16	1.00	10	.75
40	12x6x1 $\frac{1}{4}$	16	1.10	10	.85



HANDLED WOOD FLOATS



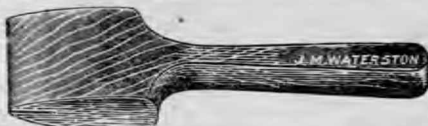
Made of best selected pine.		Weight, lb.	Each
No.	Size, in.		
100	4½ x 11 x ¾	1	\$0.45
101	5 x 18 x ¾	1½	1.00
No. 103—Cross grain with dovetail ¾ x 2 ins.			
103	4½ x 11 x ¾	1	.75
Handles only, weight 3 ozs. Each			\$0.25

PLASTERERS' WOOD ANGLE FLOAT



Made from seasoned white pine and comes with handle.		Size
4x10 ins.	Weight ¾ lb.	
No. 105.	Each	\$0.50

ANGLE PADDLE WITH STEEL EDGE



Made of clear seasoned white pine, with steel edge, which insures perfectly sharp angles.		Weight 4 ozs.
No. 9.	Each	\$0.35

PLASTERERS' ANGLE PADDLE

Same as No. 9 but without steel edge. Width 3 in.; length over all 8½ in.		Weight 2 ozs.
No. 8.	Each	\$0.20

MITRE RODS

GENUINE TYZACK



Size, ins.	4	6	8	10	12
Weight, lbs.	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Each	\$0.45	\$0.60	\$0.80	\$1.00	\$1.20
Size, ins.	14	16	18	20	24
Weight, lbs.	$\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$
Each	\$1.40	\$1.60	\$1.80	\$2.00	\$2.40

DUTCH PLANES



Made of hardwood with hand hole. Round on one side and flat on the other. Length 20 inches; measures $22\frac{1}{2}$ inches over all. Width $2\frac{1}{2}$ inches.

Thickness, ins.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Weight, ozs.	12	14	16	18	20	22	24
Each, $\frac{3}{8}$ to 1 inch					\$1.50	\$1.65	\$1.75

TILE MARKERS

Number 111



For imitation tile marking. Crucible spring steel tempered. Cuts both ways so as to cut into corners.

Grooving gauged to proper depth. Length over all 7 ins. Width of marker $\frac{3}{4}$ inch. Weight 2 ozs. Number 111. Each \$0.50



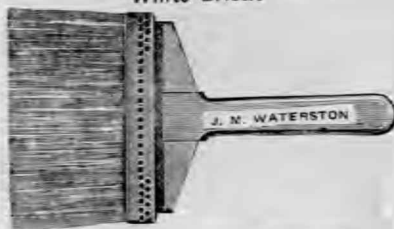
Number 112

Polished spring steel blade; $2\frac{1}{2}$ in. cutter; hardwood handle with polished steel ferrule. Weight 3 ozs.

Number 112. Each \$0.50

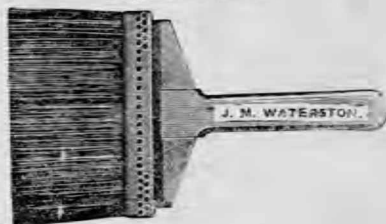
PLASTERERS' FINISHING BRUSHES

White Bristle



Leather bound. 2 rows of tacks at each end.				Each
Number	Width ins.	Length ins.		
8	8½	4	— 2 Row Favorite	\$5.50
12	8½	4½	— 3 Row Favorite	6.50
20	8½	5¼	— 3 Row Special	8.00
30	8½	5½	— 3 Row Extra Special	8.75
Shipping weight 24 ozs.				

Grey Russian
Leather Bound



Number	Width ins.	Length ins.		Each
3	8½	4	— 2 Row	\$2.00
5	8½	5¼	— 2 Row	2.50
25	8½	5¼	— 3 Row	3.00
Shipping weight 24 ozs.				

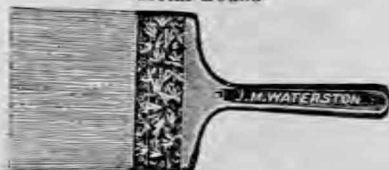
Holland Dutch Kalsomine Brushes

Best Quality Russian Bristle. Metal Bound

No.	Width ins.	Thickness ins.	Length ins.	Weight	Each
55	7½	1¾	4½—3 Row	1¼	\$6.00
65	7½	2¾	4¼—5 Row	1½	7.50

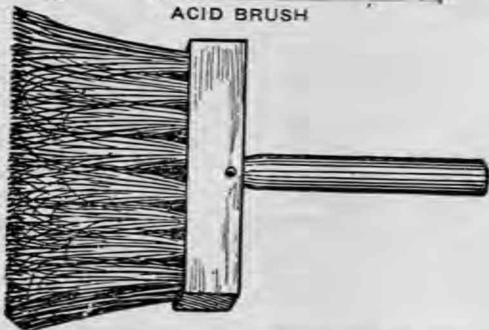
KALSOMINE BRUSHES

Metal Bound



No. 929—White Bristles

Width in.	Length in.		Weight, lbs.	Each
8	4 $\frac{3}{4}$	—2 Row	1	\$6.00
8	5 $\frac{1}{2}$	—2 Row	1 $\frac{1}{4}$	12.00

ACID BRUSH

Made of bleached fibre. Four rows on 7x2 inch block. Length of fibre 3 ins. Weight 14 ozs.

No. 85. Each \$0.65

No. 85. Per dozen 6.50

BRICKLAYERS' DUST BRUSH

Length of brush, 8 ins.; over all 14 inches; bristle 2 ins. long. Weight 10 ozs.

Number 38. Each \$0.75

WIRE BRUSHES

Heavy Bridled Steel Wire Casting Brush No. 17

Made of a very high grade of tempered fine round steel wire and is much heavier than the ordinary brush. Each end is equipped with Coppered Steel Wire Bridles, which keeps the ends from spreading and keeps the wires from breaking. Block $7\frac{1}{2} \times 2\frac{1}{2}$ ins. Four rows one way; 10 the other. Length of wire 4 inches. 6 wires per hole. Weight 18 oz.



Each _____ \$0.75

No. 1780 Steel Wire Brush—Without Bridle

Block $7\frac{1}{2} \times 2\frac{1}{2}$ ins. 6 rows of wire one way; 19 the other. Length of wire $1\frac{3}{4}$ ins. Weight 12 ozs.

Each _____ \$0.65

CURVED HANDLE SCRATCH BRUSH



Number 1777

Made of tempered fine round steel wire. Length over all 14 ins.; length of brush part 6 ins. Length of wire $1\frac{1}{2}$ ins.; 3 rows. Weight 8 ozs.

Number 1777. Each _____ \$0.40

CASTING OR STUCCO DASH BRUSH

Number 10

Made of .017x.0159 tempered flat steel wire; 9 wires per hole. Diameter of block, 3 ins.; length overall, 12 ins.; length of wire, $5\frac{1}{2}$ ins. Weight 16 ozs.

Number 10. Each _____ \$0.75



FIBRE STUCCO DASH BRUSHES

Made of Tampico fibre. Diameter 2 ins.

Number	Length overall	Length of brush	Weight	Each
35	14 ins.	8 ins.	12 ozs.	\$0.60
36	18 ins.	12 ins.	16 ozs.	.80

SASH BRUSHES

No. 42—Genuine Rubberset



Made of genuine Chinese bristles set and bound in rubber. There is absolutely no metal on these brushes to rust.

Diameter, ins.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Length, ins.	$1\frac{1}{8}$	$2\frac{1}{8}$	$2\frac{1}{8}$	$2\frac{1}{8}$	$2\frac{3}{4}$	$2\frac{3}{4}$
Weight, ozs.	3	3	3	4	4	4
Each	\$0.45	\$0.50	\$0.60	\$0.75	\$1.00	\$1.25

EUREKA CHISEL SASH BRUSHES

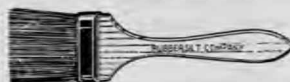
Number 18

Made of black Chinese bristles; metal bound.

Length, ins.	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$
Weight, ozs.	3	3	4	4
Each	\$0.15	\$0.25	\$0.35	\$0.45

VARNISH BRUSHES

No. 80—Genuine Rubberset



Made of black Chinese bristles set and bound in rubber. There is absolutely no metal on these brushes to rust.

Length, ins.	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{8}$	$2\frac{1}{4}$
Width, ins.	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Weight, ozs.	3	3	3	4	4
Each	\$0.35	\$0.45	\$0.55	\$0.70	\$0.85

NO. 622 DAKONA CHISEL FLAT

Made of black Chinese bristles set in rubber; bound with metal.

Length, ins.	2	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$
Width, ins.	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Weight, ozs.	4	4	5	5
Each	\$0.25	\$0.35	\$0.50	\$0.65

SUPERIOR MASONS' LEVELS

The advantage of these levels is, being of double construction, no matter how they are picked up, they are always in a correct position for use. All glasses are protected and wired to indicate.

NUMBER 1



Has two plumbs and two levels, bob-hole, hand hole and scribe.

Size	Weight, lbs.	Each
42 or 48x2 $\frac{3}{4}$ x1 $\frac{1}{4}$	2 $\frac{1}{2}$	\$2.50

Number 7—Brass Bound or Plain



Has four plumbs, two levels and two hand holes.

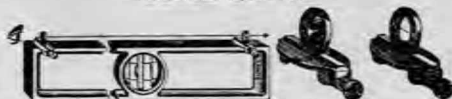
Size	Weight, lbs. Brass bound	Weight, lbs. Plain	Each
42 or 48x2 $\frac{3}{4}$ x1 $\frac{1}{4}$	4	3	\$3.00
72x3x1 $\frac{1}{4}$	6	4 $\frac{1}{2}$	4.65

SAND'S ALUMINUM LEVELS



Number	Dimensions	Weight, lbs.	Each
12	12x2 $\frac{1}{4}$ x1 $\frac{1}{8}$ "—2 Plumbs, 2 Levels	1 $\frac{1}{4}$	\$2.85
18	18x2 $\frac{1}{4}$ x1 $\frac{1}{8}$ "—2 Plumbs, 2 Levels	1 $\frac{3}{4}$	3.60
24	24x2 $\frac{1}{4}$ x1 $\frac{1}{8}$ "—2 Plumbs, 2 Levels	2	4.50
28	28x2 $\frac{1}{4}$ x1 $\frac{1}{8}$ "—4 Plumbs, 2 Levels	2 $\frac{1}{2}$	5.10
30	30x2 $\frac{1}{4}$ x1 $\frac{1}{8}$ "—4 Plumbs, 2 Levels	3	5.65
42	42x2 $\frac{3}{4}$ x1 $\frac{1}{8}$ "—4 Plumbs, 2 Levels	4 $\frac{1}{4}$	7.50

LEVEL SIGHTS



Number 10—Weight 3 ozs.

Per Pair \$1.00

WE REPAIR LEVELS

MASONS' LEVELS

No. 6



Made of one piece of mahogany, dull finish, natural wood and hand rubbed, with brass end plates. Has 4 plumbs and 2 levels. 42 or 48x2 $\frac{3}{8}$ x1 $\frac{1}{8}$ ". Weight 3 $\frac{1}{4}$ lbs.

Each \$4.50

Number 5



Made of one piece of pine, has brass end plates. Has 4 plumbs and 2 levels. 42 or 48x2 $\frac{3}{8}$ x1 $\frac{1}{8}$ ".

Number Weight, lbs. Each

5—Plain 2 $\frac{1}{2}$ \$3.45

5—Brass Bound 3 $\frac{1}{2}$ 6.50

ADJUSTABLE ALUMINUM LEVELS

Number 11



Vial Cases are both adjustable and interchangeable.
Dimensions, ins.

Dimensions, ins.		Weight, lbs.	Each
18x2 $\frac{1}{4}$ x1 $\frac{1}{8}$	2 Plumbs, 2 Levels	1 $\frac{1}{4}$	\$3.75
24x2 $\frac{1}{4}$ x1 $\frac{1}{8}$	4 Plumbs, 2 Levels	2 $\frac{1}{2}$	5.00
28x2 $\frac{1}{4}$ x1 $\frac{1}{8}$	4 Plumbs, 2 Levels	2 $\frac{3}{4}$	5.50
30x2 $\frac{1}{4}$ x1 $\frac{1}{8}$	4 Plumbs, 2 Levels	3	6.00

Extra Vial Cases \$0.50

PLASTERERS' LEVELS

Number 20



Has 2 Plumbs and 2 Levels.

Made of Walnut 2 $\frac{3}{8}$ x1 $\frac{1}{4}$ ins.

Length, ins.	Weight, lbs.	Each
18 to 26	1 $\frac{1}{4}$	\$2.00
28 or 30	2 $\frac{1}{4}$	2.35

Made of Pine 2 $\frac{3}{8}$ x1 $\frac{1}{4}$ ins.

Length, ins.	Weight, lbs.	Each
18 or 20	1	\$1.10
22 or 24	1 $\frac{1}{4}$	1.25

"T" PLUMB AND LEVEL



Just what you need for converting large straight edges into plumb and levels. Easy to put on. Light and handy and is adjustable. It is made of aluminum, and, therefore, will not rust.

Can, also, be used on flat surfaces.

To attach, drill 3 holes $\frac{1}{4}$ inch deep for lugs, then bore 2 holes at either end $1\frac{1}{2}$ ins. diameter, all the way through, cutting away center.

Size $3\frac{1}{4} \times 2\frac{1}{2}$ ins. Weight 2 ozs.

Number 200. Each _____ \$1.00

TORPEDO TYPE POCKET LEVEL



9 ins. long; $1\frac{1}{2}$ ins. wide; $\frac{1}{2}$ in. thickness. Weight 4 ozs.

Number 17. Each _____ \$1.00

OCTAGON LINE AND SURFACE LEVEL



It is made of a three inch octagon aluminum tube with spring hooks attached to the sides at each end. Weight $\frac{1}{2}$ oz.

Number 250. Each _____ \$0.50

LEVELING INSTRUMENT



No. 101

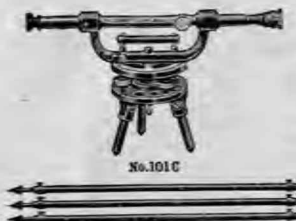
Is accurate, but simple in construction. Adaptable to all kinds of work. Upper plate is connected to tripod head by a ball and socket joint and is leveled by leveling screws.

Has graduated arc for taking angles. Sight tube for taking horizontal angles is plain, 12 ins. in length and has cross wires.

Shipping weight, 20 lbs.



Number	Each
101-A _____	\$13.50
101-B _____	15.25



No. 101-C

LEVELING INSTRUMENT

Similar to No. 101-A but has telescopic lenses adjustable to distance instead of a plain sight tube. Telescope has cross lines and is well protected from dirt and breakage by a friction cap and a shutter for the eye aperture.

Will do all the work of a transit except measure vertical lines.

Shipping weight, 20 lbs.
Number 101-C. Each \$22.50

DUMPY LEVEL

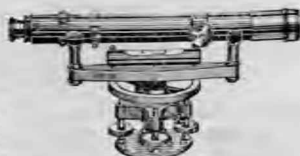
A simple, yet accurate, well-made instrument for the contractor, bricklayer or tilelayer.

Telescope 11½ ins. long, power 18 diameters. Has dust cap and guard and sunshade, improved screw motion for focusing cross hairs. Spirit level graduated and ground to 100 seconds of arc per graduation.

Horizontal circle 4 inches in diameter, silvered graduated to degrees and numbered 0 to 90 each way, with vernier reading to five minutes. Circle movable for setting it at zero at any given point.

Complete in mahogany finished box with tripod, trivet, plumb bob and adjusting pins. Shipping weight, 24 lbs.

Number 426. Each \$72.00

**CONVERTIBLE WYE LEVEL**

This instrument is used on all kinds of construction and building work.

Telescope is 12 inches long, power 20 diameters. Improved screw motion for precise focusing of cross hairs. Level tube is adjustable vertically or horizontally.

Spirit level graduated on the glass, ground to a sensitiveness of 90 seconds of arc per graduation.

Complete in mahogany carrying case with tripod, metal trivet, plumb bob, and adjusting pins.

Shipping weight 26 lbs.

Number 406. Each \$105.00

ROUND STEEL PLUMB BOB

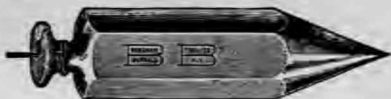


Solid steel, with screw top accurately centered. Weight 8 ozs. Diameter 1 in.

Number 8. Each \$0.35

HEXAGON PLUMB BOBS

Nickel plated and comes with 7 feet of braided cord attached. Has loose cap which revolves and holds cord in center.



Number	Weight, oz.	Hexagon, in.	Each
14	4	$\frac{3}{4}$	\$0.45
16	6	$\frac{7}{8}$	.50
18	8	$\frac{3}{4}$	.50

BRONZE PLUMB BOBS

No. 55



Made of rich bronze material. Steel points are screwed in.

Weight, ozs.	4	6	8	10	12	16	24
Each	\$1.00	\$1.10	\$1.25	\$1.45	\$1.65	\$2.25	\$3.35

IMPROVED MERCURY PLUMB BOBS

No. 87

These plumb bobs are made from solid steel bored and filled with mercury. Nickel plated finish.



Length, ins.	Diameter, in.	Weight, oz.	Each
4	$\frac{1}{2}$	$3\frac{1}{2}$	\$1.65
5	$\frac{5}{8}$	6	2.25
$5\frac{1}{2}$	$\frac{7}{8}$	12	2.75
6	1	16	3.25

CAST IRON PLUMB BOBS

Japanned Finish

Number	Weight	Each
1	9 oz.	\$0.20
2	18 oz.	.25
3	24 oz.	.35

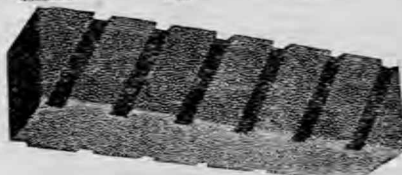
CARBORUNDUM RUBBING BRICKS

Plain



Can supply either round or square. Made in any grit from 20 to FF. We will ship No. 40 unless otherwise stated.

Size ins.	Weight lbs.	Price Doz.	Size ins.	Weight lbs.	Price Doz.
9x7-5x2	7 $\frac{7}{8}$	\$51.00	6x3x2	2 $\frac{5}{8}$	\$19.20
8x6x2	7	45.60	6x2x2	1 $\frac{3}{4}$	13.80
8x4x2	4 $\frac{3}{4}$	33.00	6x2x1	7 $\frac{7}{8}$	7.20
8x3x3	5 $\frac{1}{4}$	36.00	4x3x2	1 $\frac{3}{4}$	13.80
8x3x2	3 $\frac{1}{2}$	22.80	4x2x2	1 $\frac{1}{2}$	9.60
8x2x2	2 $\frac{3}{4}$	17.40	4x2x1	5 $\frac{7}{8}$	6.00
8x2x1	1 $\frac{1}{2}$	9.60			

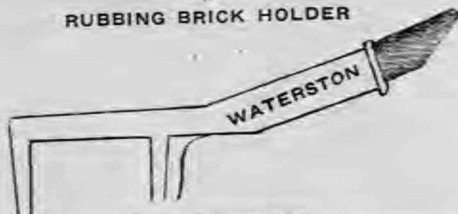


Fluted

Made in No. 20 Grit

Size, ins.	Weight, lbs.	Doz.
8x2x2	2 $\frac{3}{4}$	\$17.40
6x2x2	1 $\frac{3}{4}$	13.80

RUBBING BRICK HOLDER



Made of Malleable

Has four foot handle. Opening is 3 $\frac{3}{4}$ " for wedging bricks; 3" deep and 1 $\frac{1}{2}$ " wide. Weight 11 $\frac{1}{2}$ lbs.

Number 27. Each

\$3.50

CARBORUNDUM SHARPENING STONES

COMBINATION STONES



These stones are made with one face of coarse and one face of very fine grit. The coarse side can be used for sharpening dull tools; the fine side

for giving required keen, lasting edge.

Number	Size, ins.	Weight, ozs.	Each
108	8x2x1	16	\$1.65
109	6x2x1	12	1.10
110	7x2x1	14	1.35
111	5x2x $\frac{3}{4}$	10	.90
112	4x1 $\frac{3}{4}$ x5 $\frac{1}{2}$	6	.70

9 Round Lathers Stone, 3 in. Dia., Weight 4 ozs. \$0.60

COARSE, MEDIUM AND FINE GRIT STONES

These stones are positively unequaled for rapid cutting qualities. Are quite porous and are used dry, with water, or oil.

Number	Size, ins.	Grit	Weight, ozs.	Each
115	8x2x1	Fine	18	\$1.35
116	8x2x1	Medium	18	1.35
117	8x2x1	Coarse	18	1.35
118	8x2x $\frac{3}{4}$	Fine	16	1.15
119	8x2x $\frac{3}{4}$	Medium	16	1.15
120	8x2x $\frac{3}{4}$	Coarse	16	1.15
124	6x2x $\frac{3}{4}$	Fine	8	.85
125	6x2x $\frac{3}{4}$	Medium	8	.85
126	6x2x $\frac{3}{4}$	Coarse	8	.85



THREE IN ONE OIL

Handy can of the best oil on the market. Cleans and polishes fine tools, razors and delicate machinery. Also used with sharpening stones.

3 oz. can	\$0.25
1 oz. bottle	.15

FINOL HOUSEHOLD OIL

1 oz. can	\$0.15
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BOXWOOD RULES

Two Foot—Four-Fold—1 Inch Wide



No. 62—Square joint, full brass bound, drafting scales. Graduated 8ths, 10ths, 12ths, 16ths ins.

No. 62—Weight 3 ozs. Each \$0.65

No. 68—Round joints, middle plates, Graduated 8ths, 16ths ins.

No. 68—Weight 2 ozs. Each \$0.20

No. 84—Square joint, half bound, drafting scales, graduated 8ths, 10ths, 12ths, 16ths ins.

No. 84—Weight 2 ozs. Each \$0.60



No. 53½—Arch joint, edge plates, drafting scale. Inside edges beveled. Graduated 8ths, 10ths, 12ths, 16ths ins.

No. 53½—Weight 2 ozs. Each \$0.65

Three Foot—Four Fold—1 Inch Wide



No. 66¾—Arch joint, full brass bound. Graduated 8ths, 16ths ins.

No. 66¾—Weight 5 ozs. Each \$1.15

No. 66½—Arch joint, middle plates. Graduated 8ths, 16th ins.

No. 66½—Weight 4 ozs. Each \$0.50

BOXWOOD CALIPER RULES

Two Fold



No. 36—6 inch, ¾ ins. wide. Square joint. Graduated 8ths, 10ths, 12ths, 16ths ins.

No. 36—Weight 1 oz. Each \$0.45

No. 36½—12 inch—1 ¾ in. wide. Square joint. Graduated 8ths, 10ths, 12ths, 16ths ins.

No. 36½—Weight 3 ozs. Each \$0.65

LUFKIN ZIG ZAG RULES



Rivet Joint. Yellow or White Enamel Finish

Number	Size, ft.	Weight, oz.	Yellow	White
8523	3	2	\$0.20	\$0.25
8524	4	3	.25	.30
8525	5	4	.30	.35
8526	6	5	.35	.40
8528	8	6	.45	.50

STANLEY ZIG ZAG RULES

Concealed Joints, Yellow or White Enamel Finish



Number	Size, ft.	Weight, oz.	Yellow	White
103	3	3	\$0.30	\$0.35
104	4	4	.35	.40
105	5	5	.45	.50
106	6	6	.50	.55
108	8	8	.75	.80

LUFKIN ZIG ZAG RULES—WITH FOLDING HOOK



Just the thing for taking measurements out of arm's length. Zero falls at inside of hook when opened, at extreme end of rule. Same as regular rules when hook is closed.

Concealed Joint. Yellow Enamel Finish

Number	Size, ft.	Weight, oz.	Each
H-8514	4	3	\$0.35
H-8515	5	4	.40
H-8516	6	5	.50
H-8518	8	6	.65

LUFKIN BOXWOOD ZIG ZAG RULES

With 6 Inch Extension



Made of boxwood with riveted joint, making the strongest and most durable zig zag on the market. A 6 inch brass extension makes it possible to obtain inside measurements between doors, windows, etc.

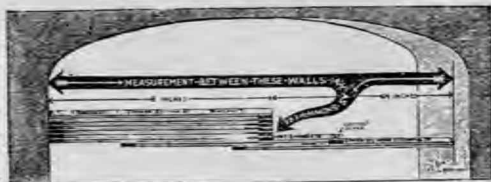
Number	Size, ft.	Weight ozs.	Each
X8534	4	5	\$0.75
X8535	5	6	.85
X8536	6	8	.90

ALUMINUM RULES

No. 423

Will not rust; are strong and light. The figures are large and clear and graduations very distinct.

Size, ft.	Weight, ozs.	Each	Size, ft.	Weight, ozs.	Each
3	3	\$0.90	6	8	\$1.80
4	4	1.20	8	10	2.40
5	6	1.50			

THE MASTER SLIDE RULES

No. 524

For outside and inside measurements.

Size, ft.	Weight, ozs.	Each	Size, ft.	Weight, ozs.	Each
4	4	\$0.80	6	6	\$1.20
5	5	1.00	8	8	1.60

STEEL SQUARES

Number 101—Polished

Body	Tongue	Graduations	Weight, oz.	Each
12x1½	8x1	1/12, ¼, ⅜	¾	\$1.25
18x1½	12x1	⅙, 1/12, ¼	1¼	1.75
24x2	16x1½	⅙, 1/12, ¼	2¼	2.00

Number 102—Blued

24x2	16x1½	⅙, 1/12, ¼	2¼	2.50
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PLASTERERS' NICKED STEEL SQUARE

Number 109

Graduated in ⅙ inches outside edges only.

6x12—1x⅙ inches. Weight 6 ozs.

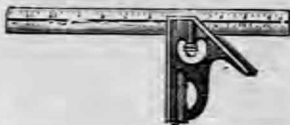
Number 109. Each _____ \$0.25

PLASTERERS' SET SQUARES



These squares are made of best steel.

Size, in.	Mitre, ins.	Weight, oz.	Each
4¼	6	4	\$1.50
5½	8	6	2.00
7	10	8	2.50
8½	12	10	3.00



COMBINATION SQUARE

Number 4 Graduation — 8ths, 16ths, 32nds, 64ths. Size 12 ins. with level. Weight 1 lb.

Number 600. Each _____ \$1.25

TAPE HOOKS

For attaching to steel tapes. Measures from inside of hook.

No. 551, for ¼ in. Tapes. Each _____ \$0.60

No. 552, for ⅜ in. Tapes. Each _____ .60

STEEL ARROWS

10 in. long, ⅙ round. Sets of 11. Weight 1¼ lbs.

No. 502. Set of 11 _____ \$2.00

POCKET STEEL TAPES



These tapes are $\frac{1}{4}$ inch wide, in well finished nickel-plated cases with rounded edges. Spring wind, with center stop, graduated in inches and sixteenths of an inch.

Number	Weight OZS.	Length ins.	Each
143	2	36	\$0.75
145	2	60	.90
146	3	72	1.00
148	3	96	1.50

BANNER STEEL MEASURING TAPES

Instantaneous Readings

These tapes, which are $\frac{3}{8}$ inch wide, have steel cases covered with mottled black auto leather. Has nickel-plated trimmings and is fitted with a folding flush handle, opened by pressing button on opposite side. Graduated one side only, in feet, inches and eighths.

Number	Length ft.	Weight OZS.	Each
550	25	8	\$3.25
553	50	12	3.75
555	75	16	4.75
556	100	20	6.25



"CHALLENGE" STEEL MEASURING TAPES

Instantaneous Readings

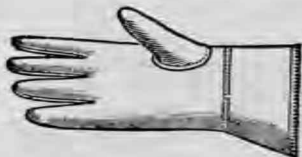
Metal lined, hard leather cases, nickel-plated trimmings; folding flush handle; opened by pressing pin on opposite side, with $\frac{3}{8}$ inch tapes marked feet, inches, and eighths, one side only.

Also, can be supplied in 10ths and 100ths.

Number	Length, ft.	Weight, ozs.	Each
260	25	6	\$3.85
261	33	8	4.25
263	50	10	4.85
265	75	16	6.25
266	100	20	8.25

We Repair Steel Tapes

CORNICE GLOVES WITH GAUNTLETS



Made of finest grade of white acid proof rubber, lined with canvas. 5 inch gauntlets. Regular or large size. Weight 1 lb. Specify whether for right or left hand when ordering single gloves.

Each _____ \$1.75
Per pair _____ 3.35

HEAVY RED RUBBER ACID GLOVES

These gloves are made of extra heavy red rubber. They do not have seams, being the same on both inside and outside. May be worn on either hand by turning inside out. They are more flexible than the cloth-lined gloves. Length 12 ins. Weight per pair 1 lb.

Each _____ \$1.15
Per pair _____ 2.25

CHALK LINES

White Cotton Line

100 ft. ball, 3 ply, size 4. Shipping weight 2 ozs.

Each _____ \$0.15

1/2 lb. ball, 3 ply, size 5. Contains 450 ft.

Each _____ \$0.50



Illustration shows exact size

BLACK & WHITE COTTON LINE

For thin chalk line or plumb bobs. Sizes 1-2-3-4-5. 25 ft. hanks.

Each _____ \$0.10



SELF-CHALKING CHALK LINE

3 ins. in diameter; 1 1/4 in. thick. Weight 4 ozs.

Reel holds 50 ft. of chalk line and chalk to last for some time.

Pressed steel, nickeled.

Always ready for use.

Number 55. Each _____ \$1.25



CHALK LINE REEL

Number 11

Length $3\frac{1}{2}$ ins. Weight 3 ozs.

Each _____ \$0.10

CARPENTERS' CHALK

Blue, white or red, $\frac{1}{2}$ gross box.
Weight $4\frac{1}{2}$ lbs.

Price _____ \$1.00

5 cakes. Weight 5 ozs.

Price _____ \$0.10



ROUND KNIFE

No. 71

 $4\frac{1}{2}$ in. Round Knife with round handle. Weight 4 ozs.

Price _____ \$1.35

PLASTERERS' TRIMMING KNIVES

Made of Best steel. Blade 6 ins. long. Weight 6 ozs.
Number 91. Each _____ \$0.95

OILCLOTH KNIFE



Number	Blade, Length	Weight	Each
3	$2\frac{1}{2}$ in.	2 ozs.	\$0.45
4	$3\frac{1}{2}$ in.	3 ozs.	.50

CAEN STONE JOINT RAKER

No. 79



$\frac{3}{4}$ in. wide; thickness $\frac{1}{8}$ in. Weight 5 ozs. Easy to sharpen.
Each \$1.25

SCREW DRIVERS

Perfect Handle No. 609



Solid one piece drop forging. Handles are riveted on, locked in under pressure, and waterproofed.

Blade		Overall	Weight	Each
Length, ins.	Diam., ins.	ins.	ozs.	
2	$\frac{1}{4}$	$5\frac{1}{2}$	2	\$0.25
$2\frac{1}{2}$	$\frac{1}{4}$	6	4	.25
3	$\frac{1}{4}$	$7\frac{1}{2}$	5	.25
4	$\frac{1}{4}$	$8\frac{3}{4}$	6	.30
5	$\frac{1}{4}$	$9\frac{1}{2}$	8	.35
6	$\frac{3}{8}$	$11\frac{1}{2}$	10	.40
8	$\frac{3}{8}$	$14\frac{1}{2}$	14	.50
10	$\frac{3}{8}$	$16\frac{1}{2}$	16	.60
12	$\frac{3}{8}$	$18\frac{1}{2}$	18	.75

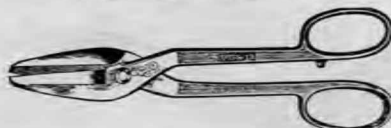
Hurwood No. 20 and 25



In No. 20 the blade runs clear through the handle, and in No. 25 it is insulated.

Blade		Overall	Weight	Each
Length, ins.	Diam., ins.	ins.	ozs.	
$2\frac{1}{2}$	$\frac{7}{16}$	$6\frac{1}{2}$	2	\$0.25
3	$\frac{7}{16}$	7	3	.30
4	$\frac{7}{16}$	8	4	.35
5	$\frac{7}{16}$	10	5	.40
6	$\frac{7}{16}$	$11\frac{1}{2}$	6	.45
8	$\frac{3}{8}$	$14\frac{1}{2}$	10	.60
10	$\frac{3}{8}$	$16\frac{1}{2}$	12	.75
12	$\frac{3}{8}$	$18\frac{1}{2}$	14	.85

METAL LATHERS' SNIPS



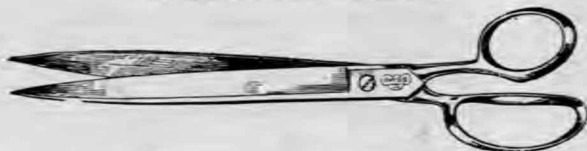
Number	Full lgth. ins.	Lgth. of cuts, ins.	Weight lb.	Each
12	8	2	$\frac{1}{2}$	\$1.05
11	$9\frac{1}{2}$	$2\frac{1}{4}$	$\frac{3}{4}$	1.25
10	$11\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	1.70
9	$12\frac{1}{2}$	3	$1\frac{3}{4}$	1.95
8	$13\frac{3}{4}$	$3\frac{1}{2}$	$2\frac{1}{4}$	2.10
7	$14\frac{1}{2}$	4	3	2.75

CURVED BLADE METAL SNIPS



No.	Full lgth. ins.	Lgth. of cut ins.	Weight lbs.	Each
12CB	8	2	$\frac{1}{2}$	\$1.95
11CB	$9\frac{1}{2}$	$2\frac{1}{4}$	$\frac{3}{4}$	2.10
10CB	$11\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	2.75
9CB	$12\frac{1}{2}$	3	$1\frac{3}{4}$	3.10
8CB	$13\frac{3}{4}$	$3\frac{1}{2}$	$2\frac{1}{2}$	3.25

PAPERHANGERS' SHEARS



No.	Full lgth.	Weight, ozs.	Each
240	10	7	\$2.00
242	12	9	2.50
244	14	12	3.00

TODD'S LATHER NIPPERS

No. 30



Length, ins.	6	8	10	12	15
Weight, lbs.	$\frac{3}{4}$	1	$1\frac{1}{4}$	$2\frac{1}{4}$	$3\frac{1}{4}$
Each	\$1.65	\$1.75	\$2.15	\$2.75	\$3.75
Extra Jaws, pr.	\$0.75	\$0.75	\$0.90	\$1.00	\$1.15
Extra Screws, Each					\$0.05

NETTLETON'S END NIPPERS

No. 31



Length, ins.	6	8	10	12	14
Weight, lbs.	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{3}{4}$	$3\frac{3}{4}$
Each	\$1.75	\$2.00	\$2.50	\$2.65	\$3.25
Extra Jaws, pr.	\$0.70	\$0.70	\$0.90	\$1.00	\$1.25

ACME NIPPERS

No. 32



Length, ins.	7	8	10	11	12
Weight, lbs.	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Each	\$2.15	\$2.50	\$2.75	\$3.00	\$3.25
Extra Jaws, pr.	\$0.75	\$0.75	\$0.85	\$1.00	\$1.00

CAREW NIPPERS

No. 34



Length, ins.	8	10	12	14
Weight, lbs.	$1\frac{1}{2}$	2	$2\frac{1}{2}$	4
Each	\$3.50	\$4.00	\$4.50	\$5.50
Extra Jaws, pr.	\$1.00	\$1.10	\$1.20	\$1.30

WALL TILE NIPPERS

No. 35

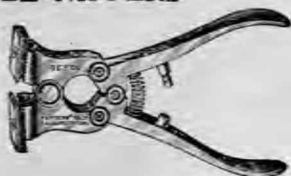
Size, in.	6	8	10
Wgt., oz.	7	14	20
Each	\$0.60	\$0.75	\$0.95

ADJUSTABLE TILE NIPPERS

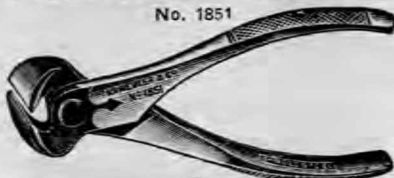
No. 36

Drop forged steel. Have detachable jaws which can be easily removed.

Size	Weight	Each
5½ in.	½ lb.	\$3.15
7 in.	1 lb.	4.00
Extra Jaws, per pr.		.60
Extra Screws		.05

**KRAEUTER END NIPPERS**

No. 1851



Length, ins.	5	6	7	8
Weight, ozs.	6	8	12	16
Each	\$1.00	\$1.25	\$1.50	\$1.75

IMPROVED CUTTING NIPPERS

No. 37



Length, ins.	10	12	14
Weight, lbs.	1½	2¼	3½
Each	\$1.75	\$2.25	\$3.50

COMBINATION PLIERS

No. 356



Forged from 60% carbon steel. Full nickel plated. Knurled handles.

Size, in.	5½	6	8	10
Weight, ozs.	6	8	12	18
Each	\$0.75	\$0.85	\$1.00	\$1.25

GIANT BUTTONS PLIERS

No. 1000



Has four wire cutters. The two cutters in the centre are so designed that the wire, after it is cut, is held between the jaws. Handle double rolled and checkered, which affords an ideal grip when the hand is wet, oily or gloved.

Size, in.	4½	6	8	10
Weight, ozs.	5	9	14	22
Each	\$0.65	\$0.75	\$0.85	\$1.10

STAR BENDER

No. 38



A tool for metal lathers or any workman having use for a light anti-friction bender. To be used as a bench or hand tool.

Made of best cast and tool steel with all wearing parts hardened to resist wear.

Will form channel, round, square or flat iron of a solid area not greater than 30 sq. ins. to most any shape desired; size of stock throat ¾ by 1½ ins.

Weight 8 lbs.
Each \$15.00

BLOCK PLANES



No. 60-65 1/2 Nickel Trimmed



No. 18 AND 19

In low angle block planes, cutters rest at an angle of 21 degrees instead of 20 degrees as in regular block planes, permitting great ease in working across the grain in hardwoods.

No.	Length	Cutter	Weight	Each
60	6 ins.	1 3/8 in.	1 1/4 lb.	\$2.00
65 1/2	7 ins.	1 1/2 in.	1 1/2 lb.	2.00
18	6 ins.	1 1/2 in.	1 1/2 lb.	2.25
19	7 ins.	1 3/8 in.	1 3/8 lb.	2.45



No. 103



No. 120

Japanned Trimmings—Lever Adjustment

No.	Length	Cutter	Weight	Each
103	5 1/2 ins.	1 3/8 in.	7/8 lb.	\$0.90
120	7 ins.	1 1/2 in.	1 1/8 lb.	1.30

No. 110—Without Lever Adjustment

No.	Length	Cutter	Weight	Each
110	7 ins.	1 1/2 in.	1 1/8 lb.	.90

STANLEY "BAILEY" IRON PLANES

No. 3 and 4
SmoothNo. 5-6-7
Jack, Fore and Jointer

No.	Length, in.	Cutter, in.	Weight, lbs.	Corrug.	Plain
3	8	1 3/4	3	\$3.10	\$2.90
4	9	2	3 3/4	3.35	3.15
5	14	2	4 3/4	3.80	3.45
6	18	2 3/8	7 3/4	4.90	4.65
7	22	2 3/8	8 3/4	5.65	5.35

STANLEY DUPLEX FILLESTER AND RABBET PLANES

No. 78



Has two seats for the cutter, one for regular and the other for bull nose work. It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom. To work as a rabbet plane, remove fence and arms. Length 8½ ins., cutter 1½ in. Weight 3 lbs.

Each _____ \$2.50

PLAIN DIVIDERS

No. 39



Length, ins. _____	5	6	8	10	12
Weight, ozs. _____	6	7	9	12	16
Each _____	\$0.45	\$0.50	\$0.65	\$0.75	\$0.85

MILLERS FALLS HAND DRILL

No. 85



Cut gears, steel pinion, single speed. Solid hardwood handle. Malleable iron frame enameled black. Large gear enameled red; other parts nickered. 3 jaw chuck; protected springs. Capacity 0-¼ in. round shank drills. Length 12½ ins. Weight 1¾ lbs.

No. 85. Each _____ \$1.95

MILLERS FALLS HAND DRILL

No. 7



Cut gears, steel spindle, steel pinions and idler to equalize bearings. Solid handle. Spring chuck holds round shank drills up to and including $\frac{3}{8}$ inch. Length 12 $\frac{1}{2}$ ins. Weight 2 lbs.

Each\$2.95

BREAST DRILLS

Miller Falls No. 12

This drill is 17 $\frac{1}{2}$ ins. in length. Has extension crank with radius from 4 to 6 ins., adding to power of tool. Changeable speed from 3 to 1. Master two jawed chuck which takes bit stock shanks and round shanks from $\frac{1}{8}$ to $\frac{1}{2}$ in. Weight 6 lbs.



Each\$4.75

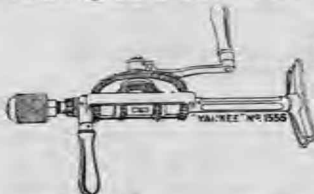
Miller Falls No. 118

Same as above but with star three-jawed chuck which takes round shanks from 0 to $\frac{1}{2}$ in. in diameter. Jaws are operated by springs that are protected from injury and will not get out of order. Weight 6 $\frac{1}{4}$ lbs.

Number 118. Each\$5.50

YANKEE BREAST DRILLS

With Right and Left Hand and Continuous Ratchet Movement



Malleable iron frames. Adjustable ball bearings; steel spindles.

Nickel plated, polished tool steel, 3 jawed chucks which take drills up to $\frac{1}{2}$ in.

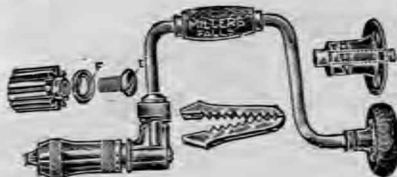
Length overall 17 ins. Weight 7 lbs.

Number 1555, Fast and Slow Speed. Weight 7 lbs.\$9.00

Number 1550, Fast Speed Only. Weight 5 $\frac{3}{4}$ lbs.7.75

RATCHET BRACES

No. 33



These are the most popular ratchet braces we handle.

The jaws are of forged steel, the ratchet is the boxed pattern with dogs exposed and the head is ball-bearing. Cocobolo handles; other parts nickel-plated and of the finest finish throughout.

Sweep, in.	6	8	10	12	14
Weight, lbs.	2½	2¾	3	3¼	4
Each	\$3.90	\$3.90	\$4.00	\$4.15	\$4.35
Extra Jaws.	Weight 3 oz.	Per pair			\$0.40

RATCHET BRACES

No. 659

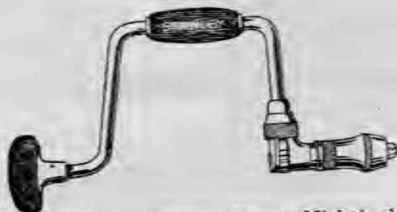
Metal clad, ball bearing heads; heavy nickel plated. Heads and handles are of cocobolo.



Sweep, in.	6	8	10	12	14
Weight, lbs.	2¾	2¾	3¼	3¼	3½
Each	\$3.90	\$3.90	\$4.00	\$4.15	\$4.35

RATCHET BRACES

No. 965



Open ratchet.	Spring alligator jaws.	Nickel plated.	
Sweep, ins.	6	8	10
Weight, lbs.	2	2½	2½
Each	\$1.75	\$1.75	\$1.85

"EASY GRIP" HACK SAW FRAME

No. 12



Closed handle with pistol grip. Can be used to advantage as far as the arm can reach. Nickel plated small parts case hardened. Handle checkered with gun butt finish. Takes blades 8 to 12 ins. Depth under back $3\frac{1}{8}$ ins. Weight $1\frac{1}{2}$ lbs.

Each

2.35

PISTOL GRIP HACK SAW FRAME

No. 1027



Has pistol grip handle, giving it a firm, comfortable grip, eliminating hand-cramp and insuring perfect control, which reduces the breaking of blades to a minimum.

Takes blades 8 to 12 ins. Depth under back $3\frac{1}{8}$ ins. Weight $1\frac{1}{2}$ lbs.

Each

\$1.50

HACK SAW FRAME

No. 500



These frames are made of extra heavy stock, nicely finished and nickel plated. Adjustable from 8 to 12 inches. Depth under back 2 in. Weight 1 lb.

Each

\$0.95

HACK SAW FRAME

No. 20

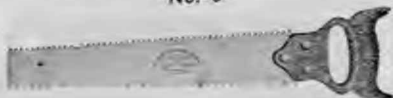
Made from best cold drawn steel, which is $\frac{5}{8}$ in. wide and nickel plated. Capacity 8 to 12 in. Depth under back $2\frac{1}{4}$ in. Weight $\frac{3}{4}$ lb.

Each

\$0.50

PLASTERERS' SAWS

No. 6



Beechwood handle, varnished edges. One edge toothed 6 points, other 8 points. Coarse side is for cutting plaster; fine side for cutting lumber. Weight 1 1/4 lbs.

16 in.	\$1.25
18 in.	1.35

NEST OF SAWS



Consists of handle, tightener, and three blades—one 16 inch blade specially tempered for the cutting of wood in which nails may be imbedded, etc.; one 12 inch compass blade, and one 10 inch keyhole blade. Adjustable handle. Weight complete, 16 ozs.

No. 50, Complete \$1.25

No. 4. Compass Saw only. Weight 10 ozs.

10 ins.	\$0.70
12 and 14 ins.	.75

Extra Blades for No. 4 Compass Saw. Weight 3 ozs.

10 ins.	\$0.40
12 and 14 ins.	.45

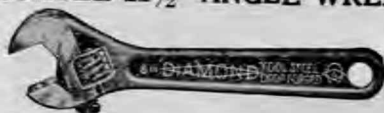
HANDY KIT SAWS



Hand bevel filed. Beechwood handle. Polished edges, 16, 18 or 20 in. lengths. 8 points. Weight 22 ozs.

No. 91. Each \$1.50

ADJUSTABLE 22½° ANGLE WRENCHES



Drop forged. Polished jaws and handle.

Size, ins.	Weight	Capacity, ins.	Extra jaws	Each
4	5 ozs.	1½	\$0.25	\$0.65
6	8 ozs.	¾	.25	.65
8	12 ozs.	1½	.30	.80
10	1½ lbs.	1½	.40	1.00
12	2 lbs.	1½	.60	1.50
15	4½ lbs.	1½	.85	2.25

STILLSON WRENCHES



With Wood Handle—6 to 14 ins.

With Steel Handle—18 to 24 ins.

Size, in.	Capacity, in.	Weight, lb.	Extra jaws	Each
6	½ to ¾	1½	\$0.35	\$0.80
8	¾ to 1	2½	.40	.90
10	1 to 1½	3½	.45	1.00
14	1½ to 2	5½	.55	1.40
18	2 to 2½	7½	.65	2.00
24	2½ to 3	10	1.00	2.90

TRIMO PIPE WRENCHES



Drop forged from selected bar steel, japanned, polished head and jaws.

Size, in.	Capacity, in.	Weight, lbs.	Extra jaws	Each
6	½ to ¾	1½	\$0.35	\$0.90
8	¾ to 1	2½	.40	1.00
10	1 to 1½	3½	.45	1.15
14	1½ to 2	5½	.55	1.60
18	2 to 2½	7½	.65	2.25
24	2½ to 3	10	1.00	3.25

PEERLESS STRAP WRENCH

For Nickel Pipe



Made from steel drop forging. Patented cam locks the strap securely in any position. Strap is of linen double woven and reinforced by three longitudinal rows of stitching, making a very strong and durable strap.

No. 1—For 2 in. pipe and under. Weight $1\frac{1}{2}$ lbs. \$1.65
Each

No. 2—For 3 in. pipe and under. Weight $1\frac{1}{2}$ lbs. \$2.00
Each

MARKING OUTFIT

No. 3



A Marking Outfit, with which tools of all shapes and sizes, either hard or soft, can be neatly marked without injury to the tool. Every year an immense number of tools and steel stamps are spoiled or injured by parties trying to stamp their names on stock as hard or harder than the stamps themselves.

With this outfit any person who can write or print can mark tools successfully if he will carefully follow the directions.

The outfit consists of a steel scriber, one bottle of varnish, one bottle of etching fluid, one bottle of cleaning fluid, a camel's hair brush and directions for using, all in a neat wooden box.
Weight, 8 ozs.

Each \$1.00

DRAKE'S POPULAR HANDBOOKS



Concretes, Cements, Mortars, Plasters and Stuccos—How to make and how to use them. By Fred T. Hodgson. 520 pages, 150 illustrations.

Each\$1.50

Modern Estimator and Contractors' Guide. For pricing all builders' work. By Fred T. Hodgson, 318 pages, 76 tables. Illustrated. Cloth bound.

Each\$1.50

The Builders and Contractors Guide to Correct Measurements. By Fred T. Hodgson and W. M. Brown, C. E. 261 pages, 45 illustrations. Cloth bound.

Each1.50

Builders' Architectural Drawing Self Taught. By Fred T. Hodgson, 336 pages, 250 illustrations and 18 folding plates. Cloth bound.

Each2.00

Practical Bungalows and Cottages for Town and Country. By Fred T. Hodgson and E. N. Braucher. 420 pages, 400 illustrations. Cloth bound.

Each\$2.00

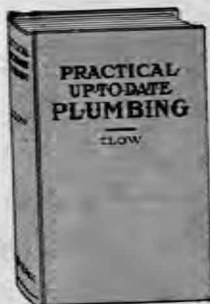
Estimates, Costs and Profits—House Painting and Interior Decorating. By F. N. Vanderwalker. 132 pages, 14 illustrations. Cloth bound.

Each\$1.50

New Hardwood Finishing, including wood manipulation, Staining and Polishing. By Fred T. Hodgson. 320 pages, 117 illustrations. Cloth bound.

Each\$1.50

DRAKE'S POPULAR HANDBOOKS



Practical Up-to-Date Plumbing. By George B. Clow. 310 pages. Over 250 illustrations. Cloth bound.

Each _____ \$1.50

Hot Water Heating, Steam and Gas Fitting. By Wm. Donaldson. 250 pages. Over 100 illustrations. Cloth bound.

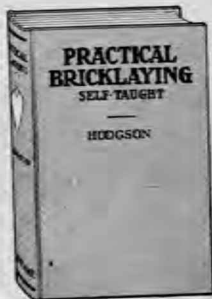
Each _____ \$1.50

Practical Bricklaying. By Fred T. Hodgson. 278 pages. 300 illustrations. Cloth bound.

Each _____ \$1.25

Practical Stone Masonry — Self Taught. By Fred T. Hodgson. 306 pages. 500 illustrations. Cloth bound.

Each _____ \$1.25



I. C. S. HANDBOOKS

Bound in cloth. 368 pages. Fully illustrated.

Plumbers and Fitters Handbook.

Building Trades Handbook.

Concrete Engineers Handbook.

Each _____ \$1.00

LATHING HATCHETS

No. 42

UNDERHILL EDGE TOOL CO.

Chicago Pattern—9 Row.
Each _____ \$2.50

Weight 22 ozs.

St. Louis Pattern—10 Row.
Each _____ \$2.65

Weight 22 ozs.

No. 43

California Pattern — Head
Convex—12 Row. Weight 22
ozs.

Each _____ \$2.75



No. 82

California Pattern—
12 Row. Weight 22
ozs.

Each _____ \$3.25

Extra Hatchet
Handles _____ \$0.25



**GENUINE UNDER-
HILL STAR
BOSTON**

No. 80

Chicago Pattern. 9
Row. Weight 22 ozs.
Each _____ \$3.00

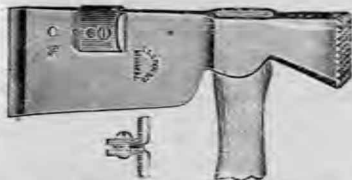
PLASTERERS' HATCHET

No. 113

Black finish. Weight
24 ozs.

Each _____ \$1.00

SHINGLING HATCHET



No. 44—Milled Head

Full polished. Positive gage by $\frac{1}{4}$ in. from 4 to $5\frac{1}{4}$ in. 10 Row. Weight complete 24 ozs.

Each _____ \$2.50

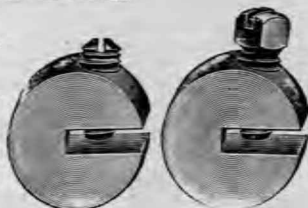
SHINGLING GAGES

White nickel finish. Weight 2 ozs.

No. 40—Headless Screw _____ \$0.20

No. 41—Square Head

Screw _____ .20



No. 40

No. 41



PLUMBS BROAD HATCHET

Best steel. Hickory handle.

No.	Bit, ins.	Weight, lbs.	Each
2991	4	$1\frac{1}{2}$	\$1.75
2992	$4\frac{1}{2}$	$1\frac{3}{4}$	2.00
2993	5	$2\frac{1}{4}$	2.25

BRICKLAYERS' HAMMERS

No. 615



Drop forged steel with white hickory handles. Comes also with loose handles.

Weight of head	Shipping Weight	Length	Each
22 ozs.	32 ozs.	11 ins.	\$1.35
32 ozs.	42 ozs.	11 ins.	1.45

MAYDOLE BRICKLAYERS' HAMMERS

No. 563

Adz eye; oil finish with white hickory handles.

Weight of Head	Shipping Weight	Each
22 ozs.	30 ozs.	\$1.75
32 ozs.	40 ozs.	2.00

**MAYDOLE BRICKLAYERS' SCUTCH**

No. 2563

Adz eye; oil finish with white hickory handles.

Weight of Head	Shipping Weight	Each
22 ozs.	28 ozs.	1.85
30 ozs.	36 ozs.	2.15

**BRICKLAYERS' SCUTCH**

No. 531

Drop forged steel with white hickory handles.

Weight of Head	Shipping Weight	Length	Each
24 ozs.	32 ozs.	11 in.	\$1.45
32 ozs.	42 ozs.	11 in.	1.50





TILELAYERS' HAMMER

No. 112

2, 3 or 4 ounce sizes.

Each _____ \$0.85

CLAW HAMMER



Number	Weight, oz.	Maydole Polished	Black
14	5	\$1.10	
13	7	1.20	
12½	10	1.25	
12	12	1.25	\$0.85
11½	16	1.25	.85
11	19	1.35	.95
10	25	1.75	

LATHERS' HAMMER

No. 70

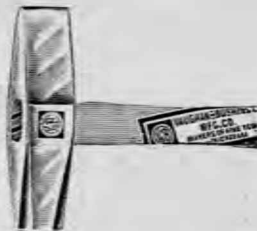
Polished Head

Weight, lbs.

1½
2
2½

Each

\$1.50
1.65
1.75



COLD CHISELS

No. 44



Octagon Tool Steel. Hand Forged

Size, in.	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length, in.	5	5	5	6	6 $\frac{3}{4}$	7 $\frac{1}{2}$	8	8
Weight, oz.	2	2	3	5	8	10	12	16
Each	\$0.20	\$0.20	\$0.20	\$0.25	\$0.35	\$0.45	\$0.65	\$0.70

The $\frac{1}{4}$ and $\frac{5}{16}$ inch sizes are most commonly used by Tile-setters.

Size, in.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Length, in.	12	16	18	20
Weight, oz.	$\frac{3}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	4 $\frac{1}{2}$
Each	\$0.35	\$0.50	\$0.75	\$1.25

PLUGGING CHISELS

No. 46

Crucible Hand Forged Tool Steel



Size, in.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length, in.	10	10	12	18	26
Weight, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	3
Each	\$0.40	\$0.50	\$0.60	\$0.75	\$1.00

WOOD CHISELS

No. 47



Size, in.	$\frac{3}{4}$	1	1 $\frac{1}{4}$
Length, in.	11	11	11
Weight, lbs.	$\frac{3}{4}$	1	1
Each	\$0.50	\$0.65	\$0.75

PRICK PUNCHES

No. 48

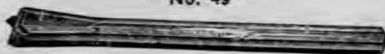
Hand Forged Tool Steel.

Size, in.	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$
Length, in.	5	6	6
Weight, oz.	3	4	4
Each	\$0.20		



STAR DRILLS

No. 49



8 and 12 inch lengths

Size, in. _____	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Weight, oz. _____	6	7	8	10	12	18	30
Each _____	\$0.30	\$0.30	\$0.35	\$0.40	\$0.45	\$0.50	\$0.60

18 inch lengths

Size, in. _____	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Weight, oz. _____	12	13	18	27	45
Each _____	\$0.45	\$0.50	\$0.60	\$0.70	\$0.80

24 inch lengths

Size, in. _____	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Weight, lbs. _____	$1\frac{1}{2}$	$2\frac{1}{4}$	$3\frac{1}{4}$	$4\frac{1}{2}$	$5\frac{1}{2}$
Each _____	\$1.00	\$1.15	\$1.25	\$1.60	\$2.00

BRICK SETS

No. 60



Made of highest grade of tool steel.

Width, ins. _____	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
Weight, lbs. _____	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Each _____	\$0.75	\$0.75	\$0.80	\$0.85

BRICK JOINTERS

No. 61



Made of high grade tool steel, polished at both ends. Length overall, nine inches. Square or half round.

Size at ends, ins.	Weight, ozs.	Each
$\frac{1}{4}$ x $\frac{3}{8}$	6	\$0.45
$\frac{3}{8}$ x $\frac{1}{2}$	9	.50

BEADING TOOLS

Concave for convex joints.
10 ins. overall.
Size at ends Weight

ins.	ozs.	Each
$\frac{1}{8} \times \frac{1}{4}$	8	\$0.50
$\frac{1}{8} \times \frac{3}{8}$	11	.50

**JOINT RAKER**

No. 63



Has four different sizes of Raker Blades which can be easily adjusted by turning screw and adjusting plate to width of blade desired.

Width of blades are $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch. Weight 8 ozs.
Each \$0.75

No. 35

Plain Joint Raker-shaped, similar to beading tool. $1 \times 1\frac{1}{8}$ ins.
Weight 4 ozs. Has two blades $\frac{1}{4}$ and $\frac{3}{8}$ in. or $\frac{3}{8}$ and $\frac{1}{2}$ in.
Each \$0.45

TUCKPOINTERS JOINT FILLER

No. 59



$5 \times \frac{3}{8}$ in., $5 \times \frac{1}{2}$ in., $5 \times \frac{3}{4}$ in. Weight 5 ozs.
Each

\$0.75

TUCKPOINTERS' JOINTER $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ inch sizes.

No. 149—For making concave joints	\$0.75
No. 150—For making convex joints	.75
No. 160—For making square joints	.75



KNEE PADS

No. 64

Made of heavy chrome tanned cowhide, which is made thoroughly waterproof. Impervious to the action, not only of water but of oils, greases and most acids. Weight $1\frac{1}{4}$ lbs.

Per pair _____ \$2.50

BRICK HANDLING TONGS

No. 65

Are adjustable and will carry from 8 to 12 bricks. Weight $5\frac{1}{2}$ lbs.

Each _____ \$2.25



TWO HOLE MORTAR HOES



Best hoe steel blades polished. Solid shanks, selected handles.

No. 9—Blade 9 in. wide, $5\frac{1}{2}$ ft. handles. Weight $3\frac{3}{4}$ lbs.

Each _____ \$1.35

No. 10—Blades 10 in. wide, 6 ft. handles. Weight $4\frac{1}{4}$ lbs.

Each _____ \$1.50

CONCRETE ROAD RAKES

No. 14

Heavy cast steel, single shanks, straight teeth, black finish, 14 teeth and 6 ft. handle. Weight $3\frac{1}{2}$ lbs.

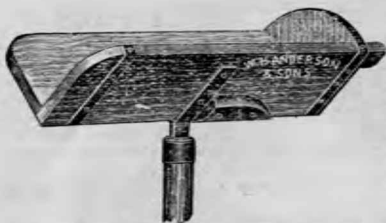
Each _____ \$1.35

No. 15

Same as No. 14 but has 16 teeth.

Each _____ \$1.50



**BRICK HODS**

Wood and Steel

This hod is made of well-seasoned pine, all joints rabbeted and made water-tight. Bound with band iron, which makes it very strong. Length 22 ins.; depth 7 ins.; width 10 ins. Weight with handle 11 lbs.

- No. 160—Pine Wood Brick Hod.
No. 163—Steel Brick Hod. Weight 9 lbs.

Each _____ \$2.75
Each _____ 2.00

MORTAR HODS

Wood and Steel

Iron clad, never drip steel mortar hod, made from one piece of steel, improved socket handle fork and wooden shoulder saddle. Length 24 in.; depth 11 in.; width 12 in.; weight with handle 12 lbs.



- No. 158—Steel Mortar Hod. Each _____ \$2 50
No. 150—Pine Wood Mortar Hod. (Weight 15 lbs.) Each _____ 4.00

"EUREKA" WHEELBARROW

The most popular concrete and mortar barrow on the market. It has a large carrying capacity, and the tray is properly shaped for side or end discharge.

Tray is made of 16 gage steel reinforced with $\frac{1}{2}$ inch rod and mounted on frame of clear maple handles. Channel steel legs and self-lubricating wheel. Width 29 ins.; length 65 ins.; height 27 ins.; rated capacity $4\frac{1}{2}$ cubic feet, water measure $3\frac{1}{2}$ cubic feet. Weight 74 lbs.

- Number 180. Each _____ \$8.75

IMPRESSION STAMPS

No. 66



All impression stamps are made to order. Send us a sketch of your requirements and we will quote prices. Can be had in either iron or brass.

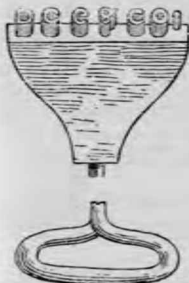
Prices on application.

ALPHABETS AND FIGURES

Carefully finished; made of iron or brass. They can be laid on the surface of the work and pressed in with the hand or with a tamp.



Alphabet Sets, letters A to Z.			Figure sets, figures 0 to 9.		
Size	Weight	Alphabet	Weight	Figures	
ins.	lbs.	Brass Iron		Brass	Iron
1½	3¼	\$6.50	1¼ lbs.	\$2.50	
2	3¾	7.50	1¾ lbs.	3.00	
3	5	10.50	2 lbs.	4.00	\$3.00
4	9¾	10.50	3¼ lbs.		4.00
6	22¾	14.50	8¾ lbs.		5.50



COPPER BURNING BRANDS

No. 67

The prices given are for brands of 3 letters.

Size	Weight	Each	Extra Letter
in.	lbs.		
½	3	\$3.50	\$0.75
¾	3	4.25	1.00
1	3	4.75	1.10
1½	3	5.50	1.25

IRON DATE STAMPS

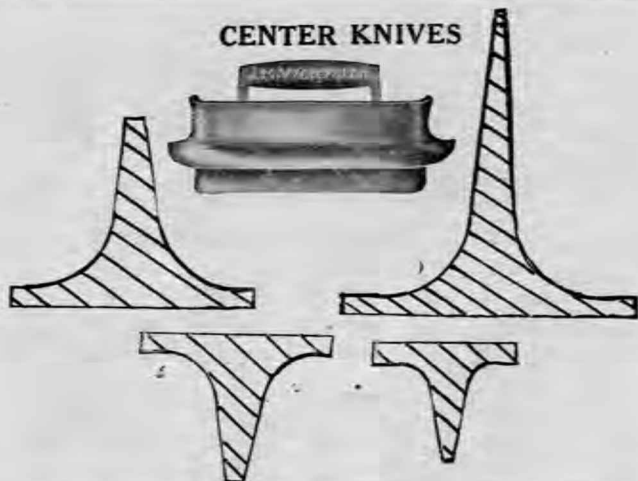
No. 68

For stamping year on your work.

Size 1 in. Weight 4 ozs. \$0.50
Size 1½ in. Weight 4 ozs. .65



CENTER KNIVES



The above sketches show the exact depth of grooves. We can furnish any of these knives with ends cut square if desired. Iron.

No.	Size, in.	Cutter, in.	Weight, lbs.	Each
29	7½ x 2½	¾	1½	\$1.15
29D	7½ x 2¾	¾	2	1.25
29WS	8½ x 4	¾	2¼	1.50
29S	8 x 4½	1½	2½	1.75

DRIVEWAY GROOVER

For making ⅞ in. round grooves. 6¾ ins. long. Weight 1¼ lbs.

No. 7. Iron _____ \$1.25



DRIVEWAY GROOVER

Will make a V-groove ½ in. deep, ¾ in. wide at top, 6½ in. long, 3 ins. wide. Weight 1¼ lbs.

No. 14. Iron _____ \$1.25

CURB EDGERS

Iron with Iron Handles



No.	Size in.	Flange, in. in.	Radius in.	Weight lbs.	Each
206	6 x 2 1/2 x 1/2	1/2	3/4	1 1/4	\$0.85
207	6 x 2 3/4 x 3/4	1	1/2	2	1.25
210	4 1/4 x 2 1/4 x 3/4	1 1/8	3/4	1 1/4	1.35
213	6 x 2 1/4 x 1 1/2	1 1/8	1 1/4	1 3/4	1.50
214	6 x 2 3/4 x 1 1/2	1 1/8	1 1/2	1 3/4	1.50

CURB EDGER

No. 6

11 1/2 in. long, 4 3/4 in. wide,
3/4 in. radius. Weight 1 lb.

Each \$2.00



OUTSIDE ROUND CORNER TROWEL



No.	Length	Radius	Weight	Each
200	7 in.	1 in.	2 lbs.	\$1.50
250	7 in.	1 1/4 in.	2 1/2 lbs.	1.65

No. 7—Special Outside Round Corner.

Size	Radius	Weight	Each
6 1/2 x 4 1/2 x 10	1 in.	2 3/4 lbs.	\$2.25

INSIDE ROUND CORNER AND TERRAZZO BASE TROWELS

No.	Length	Radius	Weight	Each
201	7 in.	1 in.	2 lbs.	\$1.50
251	7 in.	1 1/4 in.	2 1/2 lbs.	1.65

TERRAZZO BASE TROWELS

No. 253

Size	Radius	Weight	Each
3 1/2 x 4 x 10	1 in.	2 lbs.	\$2.25
6 1/2 x 4 1/2 x 10	1 in.	2 3/4 lbs.	2.50



INSIDE SQUARE ANGLE TOOL

No. 27

6¾ in. long; 1¾ in. sides.
Weight 1¾ lbs.

No. 27. Iron \$1.25

OUTSIDE SQUARE ANGLE TOOL

No. 26

6¾ in. long; 1¾ in. sides.
Weight 1¾ lbs.

No. 26. Iron \$1.25

**ANGLE TOOL**

With End Handle

4 in. long; 1 in. sides;
4½ in. handle. Weight
½ lb. Bronze.

No. 31, Inside \$1.00
No. 32, Outside 1.00

SMALL CORNER TOOL

4 in. long; 1¾ in. sides. Without handle. Weight ½ lb.
Bronze.

No. 33, Outside \$0.75

**CORNER TROWEL**

6 in. long; 2½ in. sides.
Weight 12 oz.

No. 186 \$0.75

CEMENT JOINTERS

No. 35



Polished oval face, adjustable steel blade, hardwood handle with polished steel ferrule.

Size, ins.	Weight, lbs.	Each
2½ x 2¾	¾	\$1.50
2¾ x 2¾	1¼	2.00
4 x 2¾	1¾	2.25

No. 20

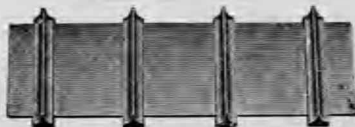


Blade 5 in. long, 1½ in. wide, cuts ⅜ in. deep. Length overall 11 in. Weight ¾ lb. Iron.

No. 20. Each \$0.75

DOUBLE ACTION GROOVER ATTACHMENT

No. 43



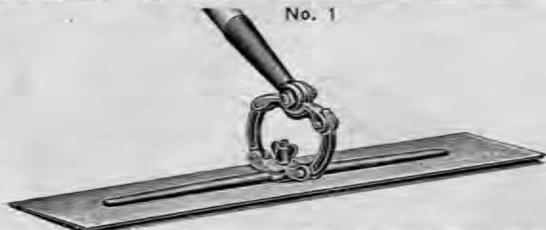
BOTTOM VIEW

V shaped attachment to fit jointers listed on pages 62 and 63 and 64. Cut shows No. 2 Jointer equipped as a four line groover by adding three extra No. 43 attachments. Weight.

No. 43 Attachment. Each \$0.90

DOUBLE ACTION FINISHING TROWEL

No. 1

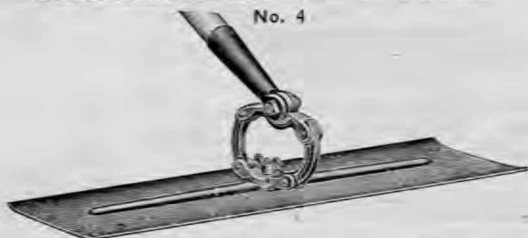


Made of cold rolled 21 gage steel, 24 in. by 5 in., 6 foot handle. Weight $5\frac{1}{2}$ lbs.

No. 1. Each	\$7.50
Trowel only	5.00

DOUBLE ACTION STEEL FLOAT

No. 4



Made of cold rolled 15 gage steel, 24 ins. by 6 ins., beveled face, excels all other floats, sold with 6 foot handle. Weight $8\frac{1}{2}$ lbs.

No. 4. Each	\$7.50
Trowel only	5.00

STEEL GROUT CUTTER

4 in. by 20 in. forged steel blade; $\frac{1}{2}$ in. diameter, round iron handle, hand forged connection, adjustable, with large ring end. Weight 15 lbs.

No. 37. Each	\$6.00
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DOUBLE ACTION JOINTER

No. 2

16 in. by 5 in., 6 foot handle. The joint is a "Slip on" attachment and any number may be used on the same tool for grooving drive-ways and crossing, or none at all, making a 16 in trowel. Weight 5 lbs.

No. 2. Each—\$7.00
Trowel only — 4.25



DOUBLE ACTION EDGERS

Nos. 300 and 310

10 in. by $4\frac{1}{2}$ in., $\frac{3}{4}$ in. radius, and has $\frac{1}{2}$ in. by 4 in. projection on the form face to run on the rail as a guide. 6 ft. handle. Weight $5\frac{1}{2}$ lbs.

No. 300—Nickel Iron—\$5.75

No. 310—Hard Bronze—7.00

Trowel only for No. 300 3.75

Trowel only for No. 310 5.00

Nos. 3 and 30

10 ins. by $3\frac{1}{4}$ ins. with $\frac{3}{4}$ in. form face, about $\frac{3}{8}$ in. radius. 6 ft. handle. Weight $5\frac{1}{2}$ lbs.

No. 30. Nickel Iron—\$5.00

No. 3. Hard Bronze—6.50

Trowel only for No. 30. 3.00

Trowel only for No. 3. 4.50



DOUBLE ACTION FLOOR BEADERS

10 ins. by $3\frac{1}{4}$ ins., 6 ft. handle. Cuts thin and shallow bead for marking or blocking out floors. Weight 5 lbs.

No. 25. Nickel Iron—\$5.00

No. 26. Hard Bronze—6.50

Trowel only for No. 25. 3.00

Trowel only for No. 26. 4.50



CEMENT TAMPS

No. 20—6 ins. square, 4 ft. handle.
Weight 12 lbs.

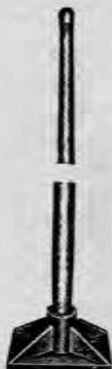
Each _____ \$1.75

No. 21—10 ins. square, 4 ft. handle.
Weight 15 lbs.

Each _____ \$2.25

No. 22—10 ins. square, 4 ft. handle.
Weight 20 lbs.

Each _____ \$2.75

**COMMON DIRT
RAMMERS**

No. 23—5 ins. in diameter on bot-
tom. Weight 15 lbs.

Each _____ \$2.25

No. 24—6 ins. in diameter on bot-
tom. Weight 20 lbs.

Each _____ \$2.75

SIDEWALK ROLLERS

In both line and dot patterns, either
7 ins. or 12 ins. long. In Iron or
Aluminum. All rollers are furnished
with 6 ft. handles.

LINE ROLLERS

No.	Size ins.		Weight lbs.	Price Each
5	7	Iron	7	\$4.00
7	7	Aluminum	4	7.00
50	12	Iron	9	5.50
70A	12	Aluminum	5	9.00

**DOT ROLLERS**

No.	Size ins.		Weight lbs.	Price Each
8	7	Iron	7	\$4.50
10	7	Aluminum	4	8.00
80	12	Iron	9	6.25
100A	12	Aluminum	5	10.00

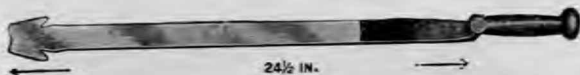
SLATERS' TOOLS



HAMMER—NO. 78

One piece solid drop forged steel. Unbreakable sure grip leather handle, 12 ins. long. Head is 9 ins. long, one end is a sharp point for punching slate, other is a hammer head. Claw in center and shear edge on each side of shank. Weight 2 lbs.

Each _____ \$4.50



RIPPER—NO. 79

Drop forged steel. Blade drawn very thin and hook end correctly tempered for hard wear. 24½ inch blade. Weight 3½ lbs.

Each _____ \$2.75



STAKE—NO. 80

Drop forged steel, hardened and ground. 19 ins. long. Weight 2 lbs.

Each _____ \$1.65

GRANITE CUTTERS BUSH HAMMERS

No. 204



Opening, Ins.	Weight lbs.	Each End Filled	Each
$\frac{5}{8}$, $\frac{3}{4}$ or $\frac{1}{2}$	6	8 to 12 cuts	\$11.00
$\frac{3}{4}$, $\frac{1}{2}$	$6\frac{1}{4}$	8 to 12 cuts	11.50
$\frac{7}{8}$, $\frac{1}{2}$	$8\frac{1}{2}$	6 or 8 cuts	12.00
1, $\frac{1}{2}$	$10\frac{1}{2}$	4, 5 or 6 cuts	12.00
Refilling both ends, any number to 12 cuts			4.00

GRANITE CUTTERS SCOTIA HAMMERS

No. 205



Opening, Ins.	Weight, lbs.	Each	Refilling
$\frac{1}{2}$	$3\frac{3}{8}$	\$10.00	\$3.00
$\frac{3}{4}$	$3\frac{5}{8}$	9.50	2.75

GRANITE BUSH CHISELS

No. 206



Openings, Ins.	No. of Cuts	Weight	Each
$\frac{1}{4}$	3, 4	$2\frac{3}{4}$	\$4.50
$\frac{1}{2}$	6, 8	$2\frac{3}{4}$	4.50
$\frac{3}{8}$	6	$2\frac{3}{4}$	4.50
$\frac{1}{2}$	10	$2\frac{3}{4}$	4.50
$\frac{3}{8}$	7, 10	$2\frac{3}{4}$	4.50
$\frac{1}{2}$	10	$2\frac{3}{4}$	4.50
$\frac{3}{8}$	10	$2\frac{3}{4}$	4.50
$\frac{1}{2}$	10	$2\frac{3}{4}$	4.50
$\frac{3}{8}$	6, 12	$2\frac{3}{4}$	4.50
Extra Cut, per set			1.75

CRANDLES

No. 207

No. 1—Contains 11 teeth. $\frac{3}{8}$ in. square tool steel. Weight $8\frac{1}{2}$ lbs.

Each _____ \$5.50

No. 2—Contains 7 teeth, $\frac{1}{2}$ in. square tool steel. Weight $11\frac{1}{2}$ lbs.

Each _____ \$5.50

Extra set of teeth for either number _____ 3.00

TOOTH AXES

No. 208



Per lb. _____ \$1.00

STONE BUSH HAMMERS

No. 209



Size, ins.	Length of Head, in.	Weight, lbs.	Each
$1\frac{1}{2}$	7	6	\$8.00
$1\frac{3}{4}$	8	$6\frac{1}{2}$	8.50
2	$8\frac{1}{2}$	$8\frac{1}{2}$	9.25

IRON ORE

For Marking Sand Stone

Per lb. _____ \$0.50

STONE MASONS HAMMERS

No. 210



Weight, lbs.	Each
2	\$0.75
2½	.90
3	1.00
3½	1.10
4	1.20
4½	1.35
5	1.50

Extra Handles _____ \$0.20

**STONE MASONS
HAMMER**

No. 211

Double Face

Per pound _____ \$0.50

**STONE MASONS
HAMMER**

No. 212

Single Face

Per pound _____ \$0.40

**STONE MASONS
SLEDGE**

No. 213

Per pound _____ \$0.25



Extra Handles _____ \$0.35

GRANITEWORKERS OR LETTERERS HAMMERS

No. 214

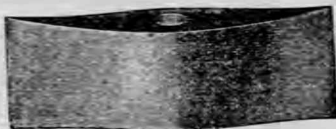


Weight, lbs.	Each
1 _____	\$1.00
1½ _____	1.10
2 _____	1.25

GRANITE PEIN HAMMER

No. 215

Per pound _____ \$0.60



BUTTERFLY PEIN HAMMER

No. 216

Per pound _____ \$0.65

STONECUTTERS MALLETS

No. 217

Best Second Growth Hickory

Any weight up to 3½ lbs. _____	\$1.75
Over 3½ lbs., per lb. _____	.50
Extra handles _____	.20



STONE MASONS MASH HAMMERS

No. 276



Weight, lbs.	Price Each
2 _____	\$0.75
2½ _____	.90
3 _____	1.00
3½ _____	1.10
4 _____	1.20
4½ _____	1.35
5 _____	1.50

HAMMER HEAD GRANITE TOOLS

LETTERING TOOLS—NO. 218



Size, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{1}{8}$	$2\frac{1}{2}$	\$0.25	\$2.10
$\frac{3}{8}$	3	.25	2.25
$\frac{1}{2}$	6	.30	2.85

OCTAGON POINTS—NO. 219



Size, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{1}{2}$	6	\$0.30	\$2.85
$\frac{5}{8}$	10	.40	3.75
$\frac{3}{4}$	12	.50	4.60

OCTAGON PLAIN CHISELS—NO. 220



Size, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{1}{2}$	6	\$0.30	\$2.85
$\frac{5}{8}$	10	.40	3.75
$\frac{3}{4}$	12	.50	4.60

PITCHING TOOLS

NO. 221



Specify whether for Stone or Granite.

Size, in.	Blade, width, in.	Weight, lbs.	Each
$\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{4}$	\$0.50
$\frac{5}{8}$	$1\frac{3}{4}$	1	.65
$\frac{3}{4}$	2	$1\frac{1}{4}$	.75
$\frac{7}{8}$	$2\frac{1}{4}$	$1\frac{3}{4}$	.95
1	$2\frac{3}{4}$	2	1.10

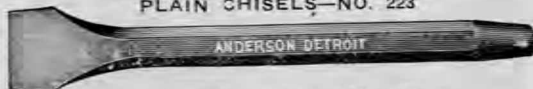
HAMMER HEAD STONECUTTERS AND MARBLE WORKERS TOOLS

TOOTH CHISELS—NO. 222



Size, in.	Width, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{1}{2}$	$\frac{3}{8}$ to $\frac{7}{8}$	$5\frac{1}{2}$	\$0.30	\$2.70
$\frac{1}{2}$	$\frac{7}{8}$ to $1\frac{1}{2}$	$5\frac{1}{2}$	.35	3.20
$\frac{5}{8}$	$\frac{1}{2}$ to $1\frac{1}{2}$	9	.40	3.60
$\frac{5}{8}$	$1\frac{1}{2}$ to $2\frac{1}{2}$	9	.45	4.10
$\frac{3}{4}$	$\frac{3}{4}$ to $1\frac{1}{2}$	$12\frac{1}{2}$	.45	4.35
$\frac{3}{4}$	$1\frac{1}{2}$ to $3\frac{1}{4}$	$12\frac{1}{2}$	.50	4.75

PLAIN CHISELS—NO. 223



Size, in.	Width, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{1}{2}$	$\frac{3}{8}$ to $\frac{7}{8}$	$5\frac{1}{2}$	\$0.25	\$2.30
$\frac{1}{2}$	$\frac{7}{8}$ to $1\frac{1}{2}$	$5\frac{1}{2}$	.30	2.70
$\frac{5}{8}$	$\frac{1}{2}$ to $1\frac{1}{2}$	9	.35	3.45
$\frac{5}{8}$	$1\frac{1}{2}$ to $2\frac{1}{4}$	9	.40	3.85
$\frac{3}{4}$	$\frac{3}{4}$ to $1\frac{1}{2}$	$12\frac{1}{2}$	.45	4.25
$\frac{3}{4}$	$1\frac{1}{2}$ to $3\frac{1}{4}$	$12\frac{1}{2}$	.50	4.50

SPLITTERS—NO. 224



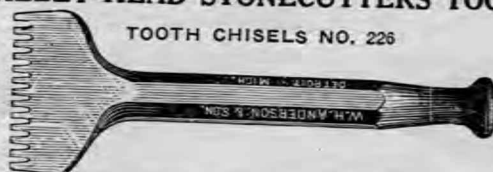
Size, in.	Weight, lbs. per doz.	Each	Doz.
$\frac{3}{8}$	$3\frac{1}{4}$	\$0.20	\$2.00
$\frac{1}{2}$	$5\frac{3}{4}$	.25	2.30
$\frac{5}{8}$	$8\frac{3}{4}$	.35	3.45
$\frac{3}{4}$	12	.45	4.35

POINTS NO. 225



Size, in.	Lgth., in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{2}$	9	$4\frac{3}{4}$	\$0.25	\$2.20
$\frac{5}{8}$	9	$8\frac{3}{4}$	.35	3.35
$\frac{3}{4}$	9	12	.45	4.10

MALLET HEAD STONECUTTERS TOOLS



TOOTH CHISELS NO. 226

Size, in	Width in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{2}$	$\frac{3}{8}$ to $\frac{7}{8}$	5 $\frac{1}{2}$	\$0.30	3.00
$\frac{1}{2}$	$\frac{7}{8}$ to $1\frac{1}{2}$	5 $\frac{1}{2}$	.35	3.50
$\frac{5}{8}$	$\frac{1}{2}$ to $1\frac{1}{2}$	9	.40	4.00
$\frac{5}{8}$	$1\frac{1}{2}$ to $2\frac{1}{2}$	9	.45	4.50
$\frac{3}{4}$	$\frac{3}{4}$ to $1\frac{1}{2}$	12 $\frac{1}{2}$	.50	5.00
$\frac{3}{4}$	$1\frac{1}{2}$ to $3\frac{1}{4}$	12 $\frac{1}{2}$	.55	5.50



PLAIN CHISELS NO. 227

Size, in	Width in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{2}$	$\frac{3}{8}$ to $\frac{7}{8}$	5 $\frac{1}{2}$	\$0.30	\$2.50
$\frac{1}{2}$	$\frac{7}{8}$ to $1\frac{1}{2}$	5 $\frac{1}{2}$	.35	3.00
$\frac{5}{8}$	$\frac{1}{2}$ to $1\frac{1}{2}$	9	.40	3.85
$\frac{5}{8}$	$1\frac{1}{2}$ to $2\frac{1}{2}$	9	.45	4.25
$\frac{3}{4}$	$\frac{3}{4}$ to $1\frac{1}{2}$	12 $\frac{1}{2}$	.50	4.75
$\frac{3}{4}$	$1\frac{1}{2}$ to $3\frac{1}{4}$	12 $\frac{1}{2}$	.55	5.00

SPLITTERS NO. 228



Size, in.	Weight, lbs., per doz.	Each	Doz.
$\frac{3}{8}$	3 $\frac{1}{4}$	\$0.25	\$2.25
$\frac{1}{2}$	5 $\frac{3}{4}$	.30	2.60
$\frac{5}{8}$	8 $\frac{3}{4}$	.40	3.85
$\frac{3}{4}$	11 $\frac{3}{4}$	.50	4.85

POINTS NO. 229



Size, in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{2}$	4 $\frac{3}{4}$	\$0.30	\$2.50
$\frac{5}{8}$	8 $\frac{3}{4}$	.40	3.75
$\frac{3}{4}$	12	.50	4.60

MALLET HEAD MARBLE TOOTH CHISELS

No. 230



Size, in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{4}$	$1\frac{1}{2}$	\$0.25	\$2.50
$\frac{3}{8}$	2	.30	2.65
$\frac{1}{2}$	$3\frac{1}{2}$	.35	2.75
$\frac{3}{4}$	$5\frac{1}{2}$	.40	3.25

HAMMER HEAD MARBLE TOOTH CHISELS

No. 231



Size, in.	Weight, lbs., per doz.	Each	Doz.
$\frac{1}{4}$	$1\frac{1}{2}$	\$0.25	\$2.25
$\frac{3}{8}$	2	.30	2.45
$\frac{1}{2}$	$3\frac{1}{2}$	.35	2.50
$\frac{3}{4}$	$5\frac{1}{2}$	.40	2.95

MALLET HEAD TOOLERS

No. 232



Width in.	Size of Stock, in.	Weight, lbs.	Each
4	1	4	\$1.20
5	1	4	1.30

CONCRETE POINTS

Size, Bar	Length, in.	Weight, lbs.	Doz.
$\frac{3}{4}$	16	$24\frac{3}{4}$	\$0.75
1	18	$46\frac{1}{2}$	1.25
$1\frac{1}{4}$	24	98	2.50
$1\frac{1}{2}$	30	124	2.85

FROSTING TOOLS

No. 233



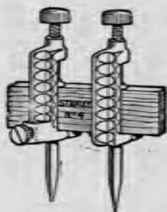
Size, in.	Weight, ozs.	Each
$\frac{3}{16}$	3	\$0.30
$\frac{3}{8}$	4	.35
$\frac{1}{2}$	7	.40
$\frac{5}{8}$	10	.50

CURB SQUARE

No. 234

4x8 ins., $\frac{1}{4}$ inch off. Weight 12 ozs.

Each _____ \$0.25



TRAMMELS

No. 4

Nickeled. Will fit wood beam up to $1\frac{1}{4}$ ins. Weight 8 ozs.

Each _____ \$1.00

No. 50

Nickel plated. Made of bronze metal with forged steel points, hardened. Points are 3 ins. long. Weight 8 ozs.

No. 50-A—Adj. points _____ \$2.80

No. 50-B—Non-adj. _____ 1.80



FRENCH RIFFLERS

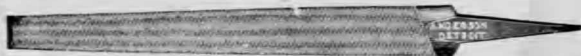
No. 526



Each	6 in.	8 in.
	\$1.25	\$1.35
Set of 8—(Weight 5 ozs.)	8.00	9.00

MARBLE FILES

No. 527



Size, ins.	Weight	Half Rd.	Flat
14	15¼ lbs.	\$1.00	\$0.85
16	17¼ lbs.	1.25	1.10

SETTING BARS



Size, Octagon	Length	Weight	Each
$\frac{5}{8}$ in.	18 in.	$1\frac{3}{4}$ lbs.	\$0.90
$\frac{3}{4}$ in.	18 in.	$2\frac{1}{2}$ lbs.	1.00
$\frac{3}{4}$ in.	26 in.	$3\frac{1}{2}$ lbs.	1.15

CAST IRON HOUSE RAISING
JACK SCREWS

Made with seamless threads

Diam. of Screw	Height, Overall	Price
3 in.	20 in.	\$4.50
3 in.	24 in.	5.00
3 in.	30 in.	5.75

(F. O. B. Detroit)

LOCOMOTIVE JACK
SCREWS

Diam. of Screw	Height of Stand	Price
$1\frac{1}{2}$	6	\$3.40
$1\frac{1}{2}$	8	3.75
$1\frac{3}{4}$	10	5.25
$1\frac{3}{4}$	12	5.65
2	12	6.75
2	14	7.40

(F. O. B. Detroit)

THE "MARVEL" FLOOR SURFACER



Two Disc Machine for Stone, Marble, Terrazzo, Etc., Floors

The strongest and lightest machine made. Is self-adjustable.

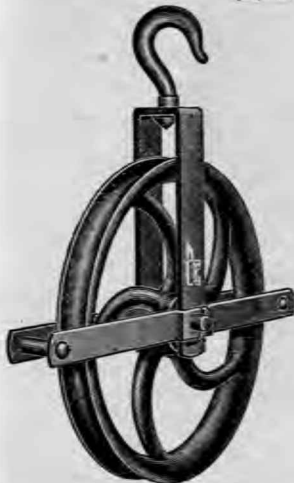
Construction of machine will stand 100% overload. Ball bearings take the load of machine, reducing friction to a minimum, thus preventing loss of power.

Discs are connected directly to the vertical driving shaft revolving in opposite directions, throwing muck and grit toward the center, thus avoiding splashing on walls, baseboards, etc. All principal parts are protected, so there is no possible chance for grit or water coming in contact with them.

Machine has 2 H. P. Motor. Weight with Motor 300 lbs. Discs and extra weight, 200 lbs. Total weight 500 lbs. Size of frame, 20x20 ins. Each Disc consists of 4 carborundum blocks 2x3x4.

Price _____ \$325.00

(F. O. B. Detroit)



LIGHT GIN BLOCK

Hook, frame and pin of forged steel. Sheave of best gray iron. 12 inch sheave, roller bushed.

Price _____ \$4.25

(F. O. B. Detroit)

PLUMBERS TOOL BAGS



No. 68

Made of high-grade carpet with leather trimming $3\frac{1}{2}$ ins. wide at bottom. Heavy leather hand-sewed gusset, tapering from $\frac{1}{2}$ in. at top to 4 ins. at bottom. Bound with $\frac{3}{4}$ inch leather. Leather straps passing through leather loops. Shoulder strap 1 in. with snaps for attaching and buckle for adjusting. Size 12x24 ins. Weight $4\frac{1}{4}$ lbs.

Price

\$10.00

No. 69—Flat Bag

Same grade as No. 68, but has leather trimming $3\frac{1}{2}$ ins. wide on sides and bottom. Two 1 in. leather straps passing through leather loops. Heavy duck lining. Top bound for $\frac{3}{4}$ in. with leather. Size 16x25 ins. Weight $3\frac{3}{4}$ lbs.

Price

\$8.75

IMPROVED LEAD JOINT RUNNER



Clamp made of wrought steel. Clamp fingers are closed upon the rope by means of a powerful but elastic spring, making operation very rapid.

Provided with pouring funnel, which receives the molten metal and delivers it to the joint exactly where it is wanted and without waste. Weight 19 ozs.

No. 1—For pipe 2 to 4 in. \$2.00

No. 2—For pipe 2 to 6 in. 2.25

DRIFT PLUGS

No. 311
Lignum-Vitae
Weight, oz.

Size, ins.
1 x 3
1 1/4 x 3
1 1/2 x 3
2 x 3

3
3
4
4

Each
\$0.15
.15
.15
.15



TURN PINS

No. 310

Size, in.	Weight, ozs.	Lignum Vitae	Dog Wood
2 1/4	4	\$0.30	\$0.20
2 1/2	6	.30	.20
2 3/4	7	.30	.20

WIPING CLOTHS

No. 312



Size ins.	Weight ozs.	Moleskin Single Fold	Moleskin Double	Tickling
2 1/2 x 2 1/2	2	\$0.20	\$0.25	\$0.15
3 x 3	2	.25	.40	.20
3 1/2 x 3 1/2	3	.30	.45	.25
4 x 4	3	.40	.55	.30

PIPE BENDING SPRINGS

No. 313



Size, ins.	Weight, lbs.	Each
1	2	\$0.50
1 1/4	2 1/2	\$0.60
1 1/2	3 1/4	\$0.75
2	4 1/4	\$0.90

PLUMBERS SCRAPERS

No. 314

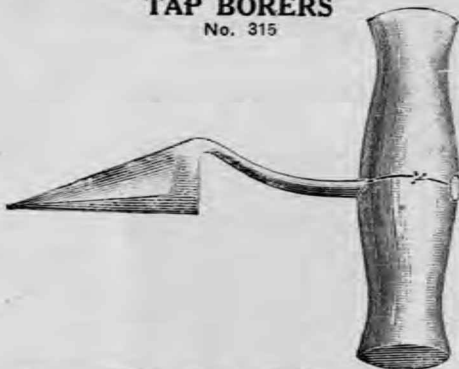


Blade can be taken off or put on by means of a set screw.
Weight 3 ozs.

Each _____ \$0.35

TAP BORERS

No. 315



Regular pattern. Weight 8 ozs. Each _____ \$0.30

GREASE, ROSIN AND FLOUR BOXES

No. 76

Size 5 $\frac{1}{4}$ x 2 ins. Weight 8 ozs.

Each _____ \$1.65

PLUMBERS AND TINNERS FIRE POTS



No. 57

Galvanized Steel Tank. Heavy top plate and shield. Dust proof cap on filler and automatic pump. Capacity 3 quarts. Weight 9 lbs.

Each _____ \$7.00

No. 60

Heavy gauge steel tank, tin coated on inside and out to make it rust proof. Fitted with safety pump and dust proof cover for filler. Burner easily cleaned. Fire can be turned low and still keep up perfect generation for hours. Very small consumption of gasoline. Capacity 3 quarts. Weight 9 lbs.

Each _____ \$11.50



**MELTING POTS**

No. 316

Dia. on Top ins.	Weight lbs.	Each
5	2½	\$0.50
6	4½	.65
8	9¼	1.45
10	15¼	2.45
13¼	43¼	4.50

WROUGHT STEEL LADLES

No. 317



Solid forged extra deep with two lips.

Size, ins.	2½	3	3½	4	5	6
Weight, lbs.	½	¾	1	1¼	2¼	2¾
Each	\$0.35	\$0.45	\$0.50	\$0.60	\$0.75	\$1.00

**CAULKING HAMMER**

No. 715

Weight, lbs.	Each
2	\$0.90
2½	1.15
3	1.20
3½	1.25

YARNING IRONS

No. 327
Flat Pattern



Size, in.	Thickness, in.	Weight, lbs.	Each
$\frac{5}{8}$ x 4	$\frac{3}{16}$	$\frac{3}{4}$	\$0.45
$\frac{5}{8}$ x 6	$\frac{1}{16}$	1	.50
$\frac{5}{8}$ x 8	$\frac{1}{16}$	$1\frac{1}{4}$	.55
$\frac{3}{4}$ x 5	$\frac{1}{16}$	1	.55
$\frac{3}{4}$ x 10	$\frac{1}{16}$	$1\frac{1}{2}$	.65

Concave Pattern No. 328



Size, in.	Thickness, in.	Weight, lbs.	Each
$\frac{5}{8}$ x 4	$\frac{3}{16}$	$\frac{3}{4}$	\$0.50
$\frac{3}{4}$ x 5	$\frac{1}{16}$	1	.60
$\frac{3}{4}$ x 10	$\frac{1}{16}$	$1\frac{1}{2}$	.70

SPRING YARNING IRONS

No. 329



Size, in.	Weight lbs.	Each
$\frac{1}{2}$ x 8	$\frac{3}{4}$	\$0.45
$\frac{5}{8}$ x 18	1	.50

STRAIGHT CEILING DROP CAULKING TOOLS

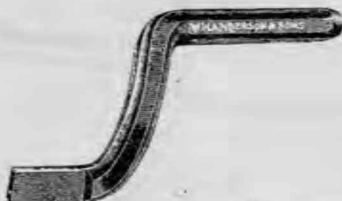
No. 330



Size, in.	Thickness End, in.	Weight, lbs.	Each
$\frac{5}{8}$ x 15	$\frac{3}{16}$ x $\frac{1}{2}$	$1\frac{1}{2}$	\$1.00

OFFSET RIGHT AND LEFT CAULKING TOOLS

No. 323



Size, in.	Thickness End, in.	Weight, lbs.	Each
$\frac{5}{8} \times 8$	$\frac{1}{8}$ to $\frac{1}{4}$	1	\$0.60
$\frac{3}{4} \times 8$	$\frac{1}{8}$ to $\frac{1}{4}$	1 $\frac{3}{4}$	.85

STRAIGHT RIGHT and LEFT CALKING TOOLS

No. 324



Size, in.	Thickness End, in.	Weight, lbs.	Each
$\frac{5}{8} \times 11$	$\frac{1}{8}$ to $\frac{1}{4}$	1	\$0.60
$\frac{3}{4} \times 11$	$\frac{1}{8}$ to $\frac{1}{4}$	1 $\frac{3}{4}$	.85

PITTSBURG CAULKING TOOLS

No. 325

Concave

Size, in.	Weight, ozs.	Each
$\frac{3}{4} \times 5$	10	\$0.45



Convex

Size, in.	Weight, ozs.	Each
$\frac{3}{4} \times 5$	10	\$0.45

**RIGHT ANGLE CAULKING IRONS**

No. 326

Size, in.	Thickness End, in.	Weight, lbs.	Each
$\frac{5}{8} \times 11$	$\frac{1}{8}$ to $\frac{1}{4}$	1	\$0.65
$\frac{3}{4} \times 11$	$\frac{1}{8}$ to $\frac{1}{4}$	1 $\frac{3}{4}$	.85



STUB CAULKING TOOLS

No. 319



Size, in.	Thickness End, in.	Weight, ozs.	Each
$\frac{5}{8} \times 7$	$\frac{1}{8}$ to $\frac{1}{2}$	10	\$0.40
$\frac{3}{4} \times 7$	$\frac{1}{8}$ to $\frac{5}{8}$	16	.50

BEVEL CAULKING TOOLS

No. 320



Size, in.	Square Inside and Outside Bevel Thickness End, in.	Weight, ozs.	Each
$\frac{3}{8}$	$\frac{1}{8}$	3	\$0.25
$\frac{1}{2}$	$\frac{1}{8}$	4	.30
$\frac{5}{8}$	$\frac{1}{8}$	5	.40

BENDING IRONS

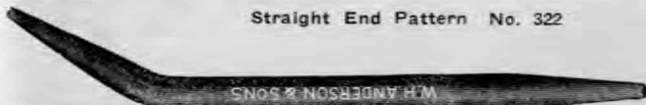
No. 321
Bent Pattern



Round steel, $\frac{1}{2}$ in. diameter; length overall 12 ins. Ends taper $2\frac{1}{2}$ ins. Weight 8 ozs.

Each _____ \$0.35

Straight End Pattern No. 322



Round steel $\frac{1}{2}$ in. diameter; length overall 12 ins. Tapered on both ends about $2\frac{1}{2}$ in. Weight 8 ozs.

Each _____ \$0.30

MODEL "D" WALL PAPER TRIMMER



Trimmer is made of steel, is 5 ins. long and weights 9 ozs. Must be used in conjunction with Straight Edge. The Straight Edge has a brass track running its full length.

Trimmer has a steel clip guide which runs on this brass track, thus insuring a perfectly straight edge.

Also supplied with a strip of zinc 3 ins. wide and the length of the straightedge, which is laid on the cutting board or table.

The prices given are for complete outfits, including Straight Edge, Zinc and Trimmer.

Outfit, No.	6 ft.	7 ft.	8 ft.
4 (No. 4 Ruled Straightedge).....	\$7.00	\$7.25	\$8.25
10 (No. 10 Ruled Straightedge).....	7.50	8.00	9.00
No. D—Trimmer only			\$3.00

STRAIGHT EDGES

No. 4—Brass Bound

Size ft.	Weight lbs.	Each
6	3	\$4.50
7	3 $\frac{1}{4}$	4.75
8	3 $\frac{1}{2}$	5.50

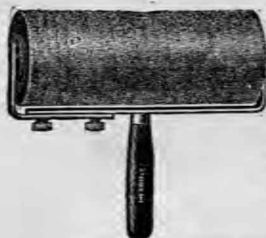


No. 10

Brass bound, strip of steel, 1 $\frac{1}{4}$ ins. wide by $\frac{7}{16}$ in. thick, nickel plated. Set flush in the wood.



Size ft.	Weight lbs.	Each
6	5	\$5.25
7	5 $\frac{1}{4}$	5.75
8	5 $\frac{1}{2}$	6.50



SMOOTHING ROLLER

No. 9

Made of white Spanish felt discs, 2½ ins. in diameter. Discs are tightened or loosened as desired, thereby giving a solid or resilient roller. Heavy nickel plated steel frame. Weight 12 ozs. Roller is 9 ins. long.

Each _____ \$5.00

SEAM ROLLERS

No. 12

1 in. light rubber tire over maple roller. Polished steel frame with maple handle. Weight 3 ozs.

Each _____ \$0.45



No. 15

2 in. Ridgelite roller. Does not polish seams. Comes with or without grooves. Weight 3 ozs.

Each _____ \$0.65

CASING AND CORNER KNIVES

No. 1½



Serrated wheel and knife. Polished large maple handle. Weight 4 ozs.

Each _____ \$0.60

No. 6



1½ in. wheel, smooth edge, nickeled frame. Polished maple handle. Weight 3 ozs.

Each _____ \$0.60

PAPERHANGERS' KNIVES

No. 11

Blade $3\frac{3}{4}$ in. long. Weight 2 ozs.

Each _____ \$0.35

No. 13

Blade $3\frac{3}{4}$ ins. long. Weight 2 ozs.

Each _____ \$0.35

WALL SCRAPER

No. 14



Width, in.

Weight ozs.

Each

3 in.

2

\$0.35

4 in.

3

.40

Plasterer's and Lather's Automatic Wall Measurement Tables

Showing Total Number of Square Yards in Rooms
of Various Sizes

To be used in figuring amount of plaster required for
given areas

Directions for Use

Example: To obtain the number of square yards in a room 15x14x7.6. Turn to the table giving measurement of rooms with 7.6-foot ceilings; follow down the column of figures on the left until you come to 15, then follow the figures to the right until you come to the figures directly under the figure 14, at the top of the page; the answer is 71.6 square yards. When the half-foot comes in the dimensions of a room, both ways, take the next larger number on one side. When it comes on one side only add one yard.

Number of Square Yards and Feet in Rooms with 7.6-foot Ceilings

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	29.0	31.0	33.0	35.0	37.0	39.0
4	13.0	15.1	17.2	19.3	21.4	23.5	25.6	27.7	29.8	32.0	34.1	36.2	38.3	40.4	42.5
5	15.0	17.2	19.4	21.6	23.8	26.1	28.3	30.5	32.7	35.0	37.2	39.4	41.6	43.8	46.1
6	17.0	19.3	21.6	24.0	26.3	28.6	31.0	33.3	35.6	38.0	40.3	42.6	45.0	47.3	49.6
7	19.0	21.4	23.8	26.3	28.7	31.2	33.6	36.1	38.5	41.0	43.4	45.8	48.3	50.7	53.2
8	21.0	23.5	26.1	28.6	31.2	33.7	36.3	38.8	41.4	44.0	46.5	49.1	51.6	54.2	56.7
9	23.0	25.6	28.3	31.0	33.6	36.3	39.0	41.6	44.3	47.0	49.6	52.3	55.0	57.6	60.3
10	25.0	27.7	30.5	33.3	36.1	38.8	41.6	44.4	47.2	50.0	52.7	55.5	58.3	61.1	63.8
11	27.0	29.8	32.7	35.6	38.5	41.4	44.3	47.2	50.1	53.0	55.8	58.7	61.6	64.5	67.4
12	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0	62.0	65.0	68.0	71.0
13	31.0	34.1	37.2	40.3	43.4	46.5	49.6	52.7	55.8	59.0	62.1	65.2	68.3	71.4	74.5
14	33.0	36.2	39.4	42.6	45.8	49.1	52.3	55.5	58.7	62.0	65.2	68.4	71.6	74.8	78.1
15	35.0	38.3	41.6	45.0	48.3	51.6	55.0	58.3	61.6	65.0	68.3	71.6	75.0	78.3	81.6
16	37.0	40.4	43.8	47.3	50.7	54.2	57.6	61.1	64.5	68.0	71.4	74.8	78.3	81.7	85.2
17	39.0	42.5	46.1	49.6	53.2	56.7	60.3	63.8	67.4	71.0	74.5	78.1	81.6	85.2	88.7
18	41.0	44.6	48.3	52.0	55.6	59.3	63.0	66.6	70.3	74.0	77.6	81.2	85.0	88.6	92.3
19	43.0	46.7	50.5	54.3	58.1	61.8	65.6	69.4	73.2	77.0	80.7	84.5	88.3	92.1	95.8
20	45.0	49.8	52.7	56.6	60.5	64.4	68.3	72.2	76.1	80.0	84.8	87.7	91.6	95.5	99.4
21	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0
22	49.0	53.1	57.2	61.3	65.4	69.5	73.6	77.7	81.8	86.0	90.1	94.2	98.3	102.4	106.5
23	51.0	55.2	59.4	63.6	67.7	71.8	76.0	80.1	84.3	88.4	92.5	96.6	100.7	104.8	108.9
24	53.0	57.3	61.6	65.9	70.1	74.4	78.7	83.0	87.3	91.6	95.9	100.2	104.5	108.8	113.1

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 8-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
311.6	13.7	15.8	18.0	20.1	22.2	24.3	26.4	28.5	30.6	32.7	34.8	37.0	39.1	41.2
413.7	16.0	18.2	20.4	22.6	24.8	27.1	29.3	31.5	33.7	36.0	38.2	40.4	42.6	44.8
515.8	18.2	20.5	22.8	25.2	27.5	29.8	32.2	34.5	36.8	39.2	41.5	43.8	46.2	48.5
618.0	20.4	22.8	25.3	27.7	30.2	32.6	35.1	37.5	40.0	42.4	44.8	47.3	49.7	52.2
720.1	22.6	25.2	27.7	30.3	32.8	35.4	38.0	40.5	43.1	45.6	48.2	50.7	53.3	55.8
822.2	24.8	27.5	30.2	32.8	35.5	38.2	40.8	43.5	46.2	48.8	51.5	54.2	56.8	59.5
924.3	27.1	29.8	32.6	35.4	38.2	41.0	43.7	46.5	49.3	52.1	54.8	57.6	60.4	63.2
1026.4	29.3	32.2	35.1	38.0	40.8	43.7	46.6	49.5	52.4	55.3	58.2	61.1	64.0	66.8
1128.5	31.5	34.5	37.5	40.5	43.5	46.5	49.5	52.5	55.5	58.5	61.5	64.5	67.5	70.5
1230.6	33.7	36.8	40.0	43.1	46.2	49.3	52.4	55.5	58.6	61.7	64.8	68.0	71.1	74.2
1332.7	36.0	39.2	42.4	45.6	48.8	52.1	55.3	58.5	61.7	65.0	68.2	71.4	73.6	77.8
1434.8	38.2	41.5	44.8	48.2	51.5	54.8	58.2	61.5	64.8	68.2	71.5	74.8	78.2	81.5
1537.0	40.4	43.8	47.3	50.7	54.2	57.6	61.1	64.5	68.0	71.4	74.8	78.3	81.7	85.2
1639.1	42.6	46.2	49.7	53.3	56.8	60.4	64.0	67.5	71.1	74.6	78.2	81.7	85.3	88.8
1741.2	44.8	48.5	52.2	55.9	59.5	63.2	66.8	70.6	74.2	77.8	81.5	85.2	88.8	92.5
1843.3	47.1	50.8	54.6	58.4	62.2	66.0	69.7	73.5	77.3	81.1	84.8	88.6	92.4	96.2
1945.4	49.3	53.2	57.1	61.0	64.8	68.7	72.6	76.5	80.4	84.3	88.2	92.1	96.0	99.8
2047.5	51.5	55.5	59.5	63.5	67.5	71.5	75.5	79.5	83.5	87.5	91.5	95.5	99.5	103.5
2149.6	53.7	57.8	61.8	65.8	69.8	73.8	77.8	81.8	85.8	89.7	93.7	97.7	101.7	105.7
2251.7	56.0	60.1	64.2	68.2	72.2	76.2	80.2	84.2	88.2	92.2	96.2	100.2	104.2	108.2
2353.8	58.2	62.3	66.4	70.4	74.5	78.5	82.5	86.5	90.5	94.5	98.5	102.5	106.5	110.5
2456.0	60.4	64.6	68.7	72.8	76.8	80.8	84.8	88.8	92.8	96.8	100.8	104.8	108.8	112.8

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 8.6-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
312.3	14.5	16.7	19.0	21.2	23.4	25.6	27.8	30.1	32.2	34.5	36.7	39.0	41.2	43.4
414.5	16.8	19.2	21.5	23.8	26.2	28.5	30.8	33.2	35.5	37.8	40.2	42.5	44.8	47.2
516.7	19.2	21.6	24.1	26.5	29.0	31.4	33.8	36.3	38.7	41.2	43.6	46.1	48.5	51.0
619.0	21.5	24.1	26.6	29.2	31.7	34.3	36.8	39.4	42.0	44.5	47.1	49.6	52.5	54.7
721.2	23.8	26.5	29.2	32.1	34.9	37.2	39.8	42.5	45.2	47.8	50.5	53.2	55.8	58.5
823.4	26.2	29.0	31.7	34.5	37.3	40.1	42.8	45.6	48.4	51.2	54.0	56.7	59.5	62.3
925.6	28.5	31.4	34.3	37.2	40.1	43.0	45.8	48.7	51.6	54.5	57.4	60.3	63.2	66.1
1027.8	30.8	33.8	36.8	39.8	42.8	45.8	48.8	51.8	54.8	57.8	60.8	63.8	66.8	69.8
1130.1	33.2	36.3	39.4	42.5	45.6	48.7	51.8	55.0	58.1	61.2	64.3	67.4	70.5	73.6
1232.3	35.5	38.7	42.0	45.2	48.4	51.6	54.8	58.1	61.3	64.5	67.7	71.0	74.2	77.4
1334.5	37.8	41.2	44.5	47.8	51.2	54.5	57.8	61.2	64.5	67.8	71.2	74.5	77.8	81.2
1436.7	40.2	43.6	47.1	50.5	54.0	57.4	60.8	64.3	67.7	71.2	74.6	78.1	81.5	85.0
1539.0	42.5	46.1	49.6	53.2	56.7	60.3	63.8	67.4	71.0	74.5	78.1	81.6	85.2	88.7
1641.2	44.8	48.5	52.2	55.9	59.5	63.2	66.8	70.5	74.2	77.8	81.5	85.2	88.8	92.5
1743.4	47.1	50.8	54.6	58.4	62.2	66.0	69.7	73.6	77.4	81.2	85.0	88.7	92.5	96.3
1845.6	49.3	53.2	57.1	61.0	64.8	68.7	72.6	76.5	80.4	84.3	88.2	92.1	96.2	100.1
1947.8	51.5	55.5	59.5	63.5	67.5	71.5	75.5	79.5	83.5	87.5	91.5	95.5	99.5	103.5
2050.1	53.7	57.8	61.8	65.8	69.8	73.8	77.8	81.8	85.8	89.7	93.7	97.7	101.7	105.7
2152.3	56.0	60.1	64.2	68.2	72.2	76.2	80.2	84.2	88.2	92.2	96.2	100.2	104.2	108.2
2254.5	58.2	62.3	66.4	70.4	74.5	78.5	82.5	86.5	90.5	94.5	98.5	102.5	106.5	110.5
2356.7	60.4	64.6	68.7	72.8	76.8	80.8	84.8	88.8	92.8	96.8	100.8	104.8	108.8	112.8
2459.0	62.7	66.9	71.1	75.3	79.5	83.7	87.9	92.1	96.3	100.5	104.7	108.9	113.1	117.3

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 9-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
313.015.317.620.022.324.6	27.0	29.3	31.6	34.0	36.3	38.6	41.0	43.3	45.6					
415.317.720.223.625.127.5	30.0	32.4	34.8	37.3	39.7	42.2	44.6	47.1	49.5					
517.620.222.725.327.830.4	33.0	35.5	38.1	40.6	43.2	45.7	48.3	50.8	53.4					
620.022.625.328.030.633.3	36.0	38.6	41.3	44.0	46.6	49.3	52.0	54.6	57.3					
722.325.127.830.633.436.2	39.0	41.7	44.5	47.3	50.1	52.8	55.6	58.4	61.2					
824.627.530.433.336.239.1	42.0	44.8	47.7	50.6	53.5	56.4	59.3	62.2	65.1					
927.030.033.036.039.042.0	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	69.0					
1029.332.435.538.641.744.8	48.0	52.0	54.2	57.3	60.4	63.5	66.6	69.7	72.8					
1131.634.838.141.344.547.7	51.0	54.2	57.4	60.6	63.8	67.1	70.3	73.5	76.7					
1234.037.340.644.047.350.6	54.0	57.3	60.6	64.0	67.3	70.6	74.0	77.3	80.6					
1336.339.743.246.650.153.5	57.0	60.4	63.8	67.3	70.7	74.2	77.6	81.1	84.5					
1438.642.245.749.352.856.4	60.0	63.5	67.1	70.6	74.2	77.7	81.3	84.8	88.4					
1541.044.648.352.055.659.3	63.0	66.6	70.3	74.0	77.6	81.3	85.0	88.6	92.3					
1643.347.150.854.658.462.2	66.0	69.7	73.5	77.3	81.1	84.8	88.6	92.4	96.2					
1745.649.553.457.361.265.1	69.0	72.8	76.7	80.6	84.5	88.4	92.3	96.2	100.4					
1848.052.056.060.064.068.0	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.0	104.0					
1950.354.458.562.666.770.8	75.0	79.1	83.2	87.3	91.4	95.5	99.6	103.7	107.8					
2052.658.661.165.369.573.7	78.0	82.2	86.4	90.6	94.8	99.1	103.3	107.5	111.7					
2155.059.363.668.072.376.6	81.0	85.3	89.6	94.0	98.3	102.6	107.0	111.3	115.6					
2257.361.766.270.675.179.5	84.0	88.4	92.8	97.3	101.7	106.2	110.6	115.1	119.5					
2359.664.268.773.377.882.4	87.0	91.5	95.1	100.6	105.2	109.7	114.3	118.8	123.4					
2462.066.671.376.080.685.3	90.0	94.6	99.3	104.0	108.6	113.3	118.0	122.6	127.3					

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 9.6-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
313.616.118.521.023.425.8	28.3	30.7	33.2	35.6	38.1	40.5	43.0	45.4	47.8					
416.118.621.223.726.328.8	31.4	34.0	36.5	39.1	41.6	44.2	46.7	49.3	51.8					
518.521.223.826.529.231.8	34.5	37.2	39.8	42.5	45.2	47.8	50.5	53.2	55.8					
621.023.726.529.332.134.8	37.6	40.4	43.2	46.0	48.7	51.5	54.3	57.1	59.8					
723.426.329.232.135.037.8	40.7	43.6	46.5	49.4	52.3	55.2	58.1	61.0	63.8					
825.828.331.834.837.840.8	43.8	46.8	49.8	52.8	55.8	58.8	61.8	64.8	67.8					
928.331.434.537.640.743.8	47.0	50.1	53.2	56.3	59.4	62.5	65.6	68.7	71.8					
1030.734.037.240.443.646.8	50.1	53.3	56.5	59.7	63.0	66.2	69.4	72.6	75.8					
1133.236.539.843.246.549.9	53.2	56.5	59.8	63.2	66.5	69.8	73.2	76.5	79.8					
1235.639.142.546.049.452.8	56.3	59.7	63.2	66.5	70.1	73.5	77.0	80.4	83.8					
1338.141.645.248.752.355.8	59.4	63.0	66.5	70.1	73.6	77.2	80.7	84.3	87.8					
1440.544.247.851.555.258.8	62.5	66.2	69.8	73.5	77.2	80.8	84.5	88.2	91.8					
1543.046.750.554.358.161.8	65.6	69.4	73.2	77.0	80.7	84.5	88.3	92.1	95.8					
1645.449.353.257.161.064.8	68.7	72.6	76.5	80.4	84.3	88.2	92.1	96.0	99.8					
1747.851.855.859.863.867.8	71.8	75.8	79.8	83.8	87.8	91.8	95.8	99.8	103.8					
1850.354.458.562.666.770.8	75.0	79.1	83.2	87.3	91.4	95.5	99.6	103.7	107.8					
1952.757.061.265.469.673.8	78.1	82.3	86.5	90.7	95.0	99.1	103.4	107.6	111.8					
2055.259.563.868.272.576.8	81.2	85.5	89.8	94.2	98.5	102.8	107.2	111.5	115.8					
2157.662.166.571.075.479.8	84.3	88.7	93.2	97.6	102.1	106.5	111.0	115.4	119.8					
2260.164.669.273.778.382.8	87.4	92.0	96.5	101.1	105.6	110.2	114.7	119.3	123.8					
2362.567.271.876.581.285.8	90.5	95.2	99.8	104.5	109.2	113.8	118.5	123.2	127.8					
2465.069.774.579.384.188.8	93.6	98.4	103.2	108.0	112.7	117.5	122.3	127.1	131.8					

The amount indicated includes side walls and ceilings. © 2009 Joe Meyer, Gary Roberts, www.toolemera.com

Number of Square Yards and Feet in Rooms with 10-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
314.316.819.422.024.527.1	29.6	32.2	34.7	37.3	39.8	42.4	45.0	47.5	50.1					
416.819.522.224.827.530.2	32.8	35.5	38.2	40.8	43.5	46.2	48.8	51.5	54.2					
519.422.226.027.730.533.3	36.1	38.8	41.6	44.4	47.2	50.0	52.7	55.5	58.3					
622.024.827.730.633.336.4	39.3	42.2	45.1	48.0	50.8	53.7	56.6	59.5	62.4					
724.527.530.533.536.539.5	42.5	45.5	48.5	51.5	54.5	57.5	60.5	63.5	66.5					
827.130.233.336.439.542.6	45.7	48.8	52.0	55.1	58.2	61.3	64.4	67.5	70.6					
929.632.836.139.342.545.7	49.0	52.2	55.4	58.6	61.8	65.1	68.3	71.5	74.7					
1032.335.538.842.245.548.8	52.2	55.5	58.8	62.2	65.5	68.8	72.2	75.6	78.8					
1134.738.241.645.148.552.0	55.4	58.8	62.3	65.7	69.2	72.6	76.1	79.5	83.0					
1237.340.844.448.051.555.1	58.6	62.2	65.7	69.3	72.8	76.4	80.0	83.5	87.1					
1339.843.347.250.854.558.2	61.8	65.5	69.2	72.8	76.5	80.2	83.8	87.5	91.2					
1442.446.250.053.757.561.3	65.1	68.8	72.6	76.4	80.2	84.0	87.7	91.5	95.3					
1545.048.852.756.660.564.4	68.3	72.2	76.1	80.0	83.8	87.7	91.6	95.5	99.4					
1647.551.555.559.563.567.5	71.5	75.5	79.5	83.5	87.5	91.5	95.5	99.5	103.5					
1750.154.258.362.466.570.6	74.7	78.8	83.0	87.1	91.2	95.3	99.4	103.5	107.6					
1852.656.861.165.369.573.7	78.0	82.2	86.4	90.6	94.8	99.1	103.3	107.5	111.7					
1955.259.563.868.272.576.8	81.2	85.5	89.8	94.2	98.5	102.8	107.2	111.5	115.8					
2057.762.266.671.175.580.0	84.4	88.8	93.3	97.7	102.2	106.6	111.1	115.6	120.0					
2160.364.869.474.078.583.1	87.6	92.2	96.7	101.3	105.8	110.4	115.0	119.5	124.1					
2262.867.572.276.881.586.2	90.8	95.5	100.2	104.8	109.5	114.2	118.8	123.5	128.2					
2365.470.275.079.784.589.3	94.1	98.8	103.6	108.4	113.2	118.0	122.7	127.5	132.3					
2468.072.877.782.687.592.4	97.3	102.2	107.1	112.1	117.1	122.1	127.1	132.1	137.1					

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 10.6-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
315.017.620.323.025.628.3	31.0	33.6	36.3	39.0	41.6	44.3	47.0	49.6	52.3					
417.620.423.226.028.731.2	34.3	37.1	39.8	42.6	45.4	48.2	51.0	53.7	56.5					
520.323.226.129.031.834.7	37.6	40.5	43.4	46.3	49.2	52.1	55.0	57.8	60.7					
623.026.029.032.035.038.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0	62.0	65.0					
725.628.731.835.038.141.2	44.3	47.4	50.5	53.6	56.7	59.8	63.0	66.1	69.2					
828.331.334.738.041.244.4	47.6	50.8	54.1	57.3	60.5	63.7	67.0	70.2	73.4					
931.034.337.641.044.347.6	51.0	54.3	57.6	61.0	64.3	67.6	71.0	74.3	77.6					
1033.637.140.544.047.450.8	54.3	57.7	61.2	64.6	68.1	71.5	75.0	78.4	81.8					
1136.339.843.447.050.554.1	57.6	61.2	64.7	68.3	71.8	75.4	79.0	82.5	86.1					
1239.042.646.350.053.657.3	61.0	64.6	68.3	72.0	75.6	79.3	83.0	86.6	90.3					
1341.645.449.253.056.760.5	64.3	68.1	71.8	75.6	79.4	83.2	87.0	90.7	94.5					
1444.348.252.156.059.863.7	67.6	71.5	75.4	79.3	83.2	87.1	91.0	94.8	98.7					
1547.051.055.059.063.067.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0					
1649.653.757.862.066.170.2	74.3	78.4	82.5	86.6	90.7	94.8	98.9	103.0	107.2					
1752.356.560.765.069.273.4	77.6	81.8	86.1	90.3	94.5	98.7	103.0	107.2	111.4					
1855.059.363.668.072.376.6	81.0	85.3	89.6	94.0	98.3	102.6	107.0	111.3	115.6					
1957.662.166.571.075.479.8	84.3	88.7	93.2	97.6	102.1	106.5	111.0	115.4	119.8					
2060.364.869.474.078.583.1	87.6	92.2	96.7	101.3	105.8	110.4	115.0	119.5	124.1					
2163.067.672.377.081.686.3	91.0	95.6	100.3	105.0	109.6	114.3	119.0	123.6	128.3					
2265.670.475.280.084.789.5	94.3	99.1	103.8	108.6	113.4	118.2	123.0	127.7	132.5					
2368.373.278.183.087.892.7	97.6	102.5	107.4	112.3	117.2	122.1	127.0	131.8	136.7					
2471.076.081.086.091.096.0	101.0	106.0	111.0	116.0	121.0	126.0	131.0	136.0	141.0					

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 11-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
315.6	18.4	21.2	24.0	26.7	29.5	32.3	35.1	37.8	40.6	43.4	46.2	49.0	51.7	54.5
418.4	21.3	24.2	27.1	30.0	32.8	35.7	38.6	41.5	44.4	47.3	50.2	53.1	56.0	58.8
521.2	22.4	22.7	23.0	23.3	23.6	23.9	24.2	45.2	48.2	51.2	54.2	57.2	60.2	63.2
624.0	27.1	30.2	33.3	36.4	39.5	42.6	45.7	48.8	52.0	55.1	58.2	61.3	64.4	67.5
726.7	30.0	33.2	36.4	39.6	42.8	46.1	49.3	52.5	55.7	59.0	62.2	65.4	68.6	71.8
829.5	32.8	36.2	39.5	42.8	46.2	49.5	52.8	56.2	59.5	62.8	66.2	69.5	72.8	76.2
932.3	35.7	39.2	42.6	46.1	49.5	53.0	56.4	59.8	63.5	66.7	70.2	73.6	77.1	80.5
1035.1	38.6	42.2	45.7	49.3	52.8	56.4	60.0	63.5	67.1	70.6	74.2	77.7	81.3	84.8
1137.8	41.5	45.2	48.8	52.5	56.2	59.8	63.5	67.2	70.8	74.5	78.2	81.8	85.5	89.2
1240.6	44.4	48.2	52.0	55.7	59.5	63.3	67.1	70.8	74.6	78.4	82.2	86.0	89.7	93.5
1343.4	47.3	51.2	55.1	59.0	62.8	66.7	70.6	74.5	78.4	82.3	86.2	90.1	94.0	97.8
1446.2	50.2	54.2	58.2	62.2	66.2	70.2	74.2	78.2	82.2	86.2	90.2	94.2	98.2	102.2
1549.0	53.1	57.2	61.3	65.4	69.5	73.6	77.7	81.8	86.0	90.1	94.2	98.3	102.4	106.5
1651.7	56.0	60.2	64.4	68.6	72.8	77.1	81.3	85.5	89.7	94.0	98.2	102.4	106.6	110.8
1754.5	58.8	63.2	67.5	71.8	76.2	80.5	84.8	89.2	93.5	97.8	102.2	106.5	110.8	115.2
1857.3	61.7	66.2	70.6	75.1	79.5	84.0	88.4	92.8	97.3	101.7	106.2	110.6	115.1	119.5
1960.1	64.6	69.2	73.7	78.2	82.8	87.4	92.0	96.5	101.1	105.6	110.2	114.7	119.3	123.8
2062.8	67.5	72.2	76.8	81.5	86.2	90.8	95.5	100.2	104.8	109.5	114.2	118.8	123.5	128.2
2165.0	70.4	75.2	80.0	84.7	89.5	94.3	99.1	103.8	108.6	113.4	118.2	123.0	127.7	132.5
2268.4	73.3	78.2	83.1	88.0	92.8	97.7	102.6	107.5	112.4	117.3	122.2	127.1	132.0	136.8

The amount indicated includes side walls and ceilings.

Number of Square Yards and Feet in Rooms with 12-foot Ceilings

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
317.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0	53.0	56.0	59.0
420.0	23.1	26.2	29.3	32.4	35.5	38.6	41.7	44.8	48.0	51.1	54.2	57.3	60.4	63.5
523.0	26.2	29.4	32.6	35.8	39.0	42.3	45.5	48.7	52.0	55.2	58.4	61.6	64.8	68.1
626.0	29.3	32.6	35.8	39.1	42.4	45.7	49.0	52.3	55.6	59.0	62.3	65.6	68.9	72.2
729.0	32.4	35.8	39.3	42.7	46.2	49.6	53.1	56.5	60.0	63.4	66.8	70.3	73.7	77.2
832.0	35.5	39.1	42.6	46.2	49.7	53.3	56.8	60.4	64.0	67.5	71.1	74.6	78.2	81.7
935.0	38.6	42.3	46.0	49.7	53.3	57.0	60.6	64.3	68.0	71.7	75.3	79.0	82.6	86.3
1038.0	41.7	45.5	49.3	53.0	56.8	60.6	64.4	68.2	72.0	75.7	79.5	83.3	87.1	90.8
1141.0	44.8	48.7	52.6	56.5	60.4	64.3	68.2	72.1	76.0	79.8	83.7	87.6	91.5	95.4
1244.0	47.9	52.0	56.0	60.0	64.0	68.0	72.0	76.0	80.0	84.0	88.0	92.0	96.0	100.0
1347.0	51.1	55.2	59.3	63.4	67.5	71.6	75.7	79.8	84.0	88.1	92.2	96.3	100.4	104.5
1450.0	54.2	58.4	62.6	66.8	71.0	75.3	79.5	83.7	88.0	92.2	96.4	100.6	104.8	109.1
1553.0	57.3	61.6	65.8	70.0	74.3	78.6	82.8	87.1	91.4	95.6	100.0	104.3	108.6	112.9
1656.0	60.4	64.8	69.2	73.6	78.0	82.4	86.8	91.2	95.6	100.0	104.4	108.8	113.2	117.6
1759.0	63.5	68.0	72.4	76.8	81.2	85.6	90.0	94.4	98.8	103.2	107.6	112.0	116.4	120.8
1862.0	66.6	71.2	75.6	80.0	84.4	88.8	93.2	97.6	102.0	106.4	110.8	115.2	119.6	124.0
1965.0	69.7	74.3	78.8	83.3	87.8	92.3	96.8	101.3	105.8	110.3	114.7	119.2	123.7	128.2
2068.0	72.8	77.4	82.0	86.5	91.0	95.5	100.0	104.5	109.0	113.5	118.0	122.5	127.0	131.5
2171.0	75.9	80.6	85.2	89.8	94.4	99.0	103.6	108.2	112.8	117.4	122.0	126.6	131.2	135.8
2274.0	79.0	83.8	88.6	93.4	98.2	103.0	107.8	112.6	117.4	122.2	127.0	131.8	136.6	141.4

The amount indicated includes side walls and ceilings.

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RATE SCALE FOR PARCEL POST SHIPMENTS

This table shows the charges when shipping by parcel post, according to weight of packages and according to distance by zone.

table shows the charge when shipping by parcel post, according to weight of packages and according to distance by zone.		ZONES							
		1-2	3	4	5	6	7	8	
Weight of Package		Charges Required							
Over 8 oz. up to 1 lb.	_____	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12	
Over 1 lb. up to 2 lbs.	_____	.06	.08	.11	.14	.17	.21	.24	
Over 2 lbs. up to 3 lbs.	_____	.07	.10	.15	.20	.25	.31	.36	
Over 3 lbs. up to 4 lbs.	_____	.08	.12	.19	.26	.33	.41	.48	
Over 4 lbs. up to 5 lbs.	_____	.09	.14	.23	.32	.41	.51	.60	
Over 5 lbs. up to 6 lbs.	_____	.10	.16	.27	.33	.49	.61	.77	
Over 6 lbs. up to 7 lbs.	_____	.11	.18	.31	.44	.57	.71	.84	
Over 7 lbs. up to 8 lbs.	_____	.12	.20	.35	.50	.65	.81	.96	
Over 8 lbs. up to 9 lbs.	_____	.13	.22	.39	.56	.73	.91	1.08	
Over 9 lbs. up to 10 lbs.	_____	.14	.24	.43	.62	.81	1.01	1.20	
Over 10 lbs. up to 11 lbs.	_____	.15	.26	.47	.68	.89	1.11	1.32	
Over 11 lbs. up to 12 lbs.	_____	.16	.28	.51	.74	.97	1.21	1.44	
Over 12 lbs. up to 13 lbs.	_____	.17	.30	.55	.80	1.05	1.31	1.56	
Over 13 lbs. up to 14 lbs.	_____	.18	.32	.59	.86	1.13	1.41	1.68	
Over 14 lbs. up to 15 lbs.	_____	.19	.34	.63	.92	1.21	1.51	1.80	
Over 15 lbs. up to 16 lbs.	_____	.20	.36	.67	.98	1.29	1.61	1.92	
Over 16 lbs. up to 17 lbs.	_____	.21	.38	.71	1.04	1.37	1.71	2.04	
Over 17 lbs. up to 18 lbs.	_____	.22	.40	.75	1.10	1.45	1.81	2.16	
Over 18 lbs. up to 19 lbs.	_____	.23	.42	.79	1.16	1.53	1.91	2.28	
Over 19 lbs. up to 20 lbs.	_____	.24	.44	.83	1.22	1.61	2.01	2.40	
Over 20 lbs. up to 21 lbs.	_____	.25	.46	.87	1.28	1.69	2.11	2.52	
Over 21 lbs. up to 22 lbs.	_____	.26	.48	.91	1.34	1.77	2.21	2.65	
Over 22 lbs. up to 23 lbs.	_____	.27	.50	.95	1.40	1.85	2.31	2.76	
Over 23 lbs. up to 24 lbs.	_____	.28	.52	.99	1.46	1.93	2.41	2.88	
Over 24 lbs. up to 25 lbs.	_____	.29	.54	1.03	1.52	2.01	2.51	3.00	
Over 25 lbs. up to 26 lbs.	_____	.30	.56	1.07	1.58	2.09	2.61	3.12	
Over 26 lbs. up to 27 lbs.	_____	.31	.58	1.11	1.64	2.17	2.71	3.24	
Over 27 lbs. up to 28 lbs.	_____	.32	.60	1.15	1.70	2.25	2.81	3.36	
Over 28 lbs. up to 29 lbs.	_____	.33	.62	1.19	1.76	2.33	2.91	3.48	
Over 29 lbs. up to 30 lbs.	_____	.34	.64	1.23	1.82	2.41	3.01	3.60	
Over 30 lbs. up to 31 lbs.	_____	.35	.66	1.27	1.88	2.49	3.11	3.72	
Over 31 lbs. up to 32 lbs.	_____	.36	.68	1.31	1.94	2.57	3.21	3.84	
Over 32 lbs. up to 33 lbs.	_____	.37	.70	1.35	2.00	2.65	3.31	3.96	
Over 33 lbs. up to 34 lbs.	_____	.38	.72	1.39	2.06	2.73	3.41	4.08	
Over 34 lbs. up to 35 lbs.	_____	.39	.74	1.43	2.12	2.81	3.51	4.20	
Over 35 lbs. up to 36 lbs.	_____	.40	.76	1.47	2.18	2.89	3.61	4.32	
Over 36 lbs. up to 37 lbs.	_____	.41	.78	1.51	2.24	2.97	3.71	4.44	
Over 37 lbs. up to 38 lbs.	_____	.42	.80	1.55	2.30	3.05	3.81	4.56	
Over 38 lbs. up to 39 lbs.	_____	.43	.82	1.59	2.36	3.13	3.91	4.68	
Over 39 lbs. up to 40 lbs.	_____	.44	.84	1.63	2.42	3.21	4.01	4.80	
Over 40 lbs. up to 41 lbs.	_____	.45	.86	1.67	2.48	3.29	4.11	4.92	
Over 41 lbs. up to 42 lbs.	_____	.46	.88	1.71	2.54	3.37	4.21	5.04	
Over 42 lbs. up to 43 lbs.	_____	.47	.90	1.75	2.60	3.45	4.31	5.16	
Over 43 lbs. up to 44 lbs.	_____	.48	.92	1.79	2.66	3.53	4.41	5.28	
Over 44 lbs. up to 45 lbs.	_____	.49	.94	1.83	2.72	3.61	4.51	5.40	
Over 45 lbs. up to 46 lbs.	_____	.50	.96	1.87	2.78	3.69	4.61	5.52	
Over 46 lbs. up to 47 lbs.	_____	.51	.98	1.91	2.84	3.77	4.71	5.64	
Over 47 lbs. up to 48 lbs.	_____	.52	1.00	1.95	2.90	3.85	4.81	5.76	
Over 48 lbs. up to 49 lbs.	_____	.53	1.02	1.99	2.96	3.93	4.91	5.88	
Over 49 lbs. up to 50 lbs.	_____	.54	1.04	2.03	3.02	4.01	5.01	6.00	

RATE SCALE FOR PARCEL POST SHIPMENTS

		ZONES	
		1-2	3
Over 50 lbs., up to 51 lbs.	55c	\$1.06	
Over 51 lbs., up to 52 lbs.	56c	1.08	
Over 52 lbs., up to 53 lbs.	57c	1.10	
Over 53 lbs., up to 54 lbs.	58c	1.12	
Over 54 lbs., up to 55 lbs.	59c	1.14	
Over 55 lbs., up to 56 lbs.	60c	1.16	
Over 56 lbs., up to 57 lbs.	61c	1.18	
Over 57 lbs., up to 58 lbs.	62c	1.20	
Over 58 lbs., up to 59 lbs.	63c	1.22	
Over 59 lbs., up to 60 lbs.	64c	1.24	
Over 60 lbs., up to 61 lbs.	65c	1.26	
Over 61 lbs., up to 62 lbs.	66c	1.28	
Over 62 lbs., up to 63 lbs.	67c	1.30	
Over 63 lbs., up to 64 lbs.	68c	1.32	
Over 64 lbs., up to 65 lbs.	69c	1.34	
Over 65 lbs., up to 66 lbs.	70c	1.36	
Over 66 lbs., up to 67 lbs.	71c	1.38	
Over 67 lbs., up to 68 lbs.	72c	1.40	
Over 68 lbs., up to 69 lbs.	73c	1.42	
Over 69 lbs., up to 70 lbs.	74c	1.44	

remittance, we will ship EXPRESS COLLECT.

Parcels may be insured against loss at the following rates:
 3c—orders to \$5.00, inclusive; 5c—orders to \$25.00, inclusive;
 10c—orders to \$50.00, inclusive; 25c—orders to \$100.00, inclusive.

IMPORTANT

We make no C. O. D. shipments. Remittance must accompany all orders. You may remit by Postoffice Money Order, Express Money Order, Bank Draft, Check or Stamps.

Be sure the shipment is in good order when it reaches you. Do not sign for Express shipments in good order if the package is damaged. Sign for them, "IN BAD ORDER." On Parcel Post shipments, report damages at once to carrier and make claim immediately.

This is important and it is impossible for us to make a claim unless you follow these instructions.

This rate scale is to be used for all shipments up to 70 pounds in first, second and third zones and shipments up to 50 pounds in all other zones.

Parcels weighing 4 ounces or less are mailed at the rate of one cent an ounce or fraction thereof, regardless of distance.

The map on the opposite page will show you what zone you are in.

We must use our best judgment as to whether it is best to ship Express Prepaid instead of Parcel Post, where the charges are included in remittance.

When packages weigh over 50 pounds or postage is not included in



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